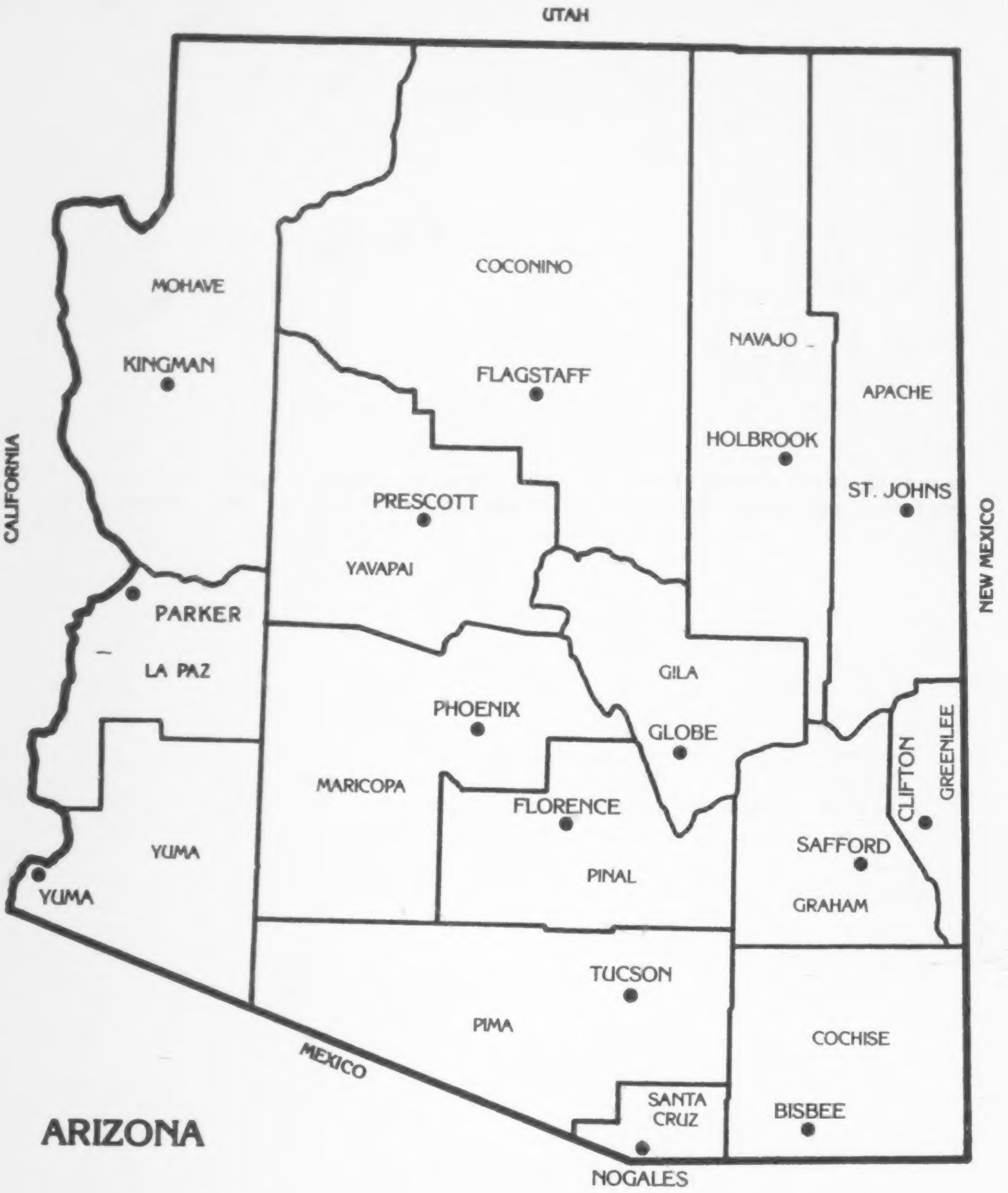
S0465-2.23-u

OCTOBER 1987

Arizona Occupational Profile

A Labor Market Information Publication
of the Department of Economic Security

GOVERNMENT


UTAH
CALIFORNIA
NEW MEXICO
MEXICO
MOHAVE
KINGMAN
COCONINO
FLAGSTAFF
NAVAJO
HOLBROOK
APACHE
ST. JOHNS
PRESCOTT
YAVAPAI
PARKER
LA PAZ
GILA
GLOBE
PHOENIX
MARICOPA
FLORENCE
PINAL
CLIFTON
GREENLEE
SAFFORD
GRAHAM
YUMA
YUMA
TUCSON
PIMA
COCHISE
SANTA CRUZ
BISBEE
NOGALES
ARIZONA

OCCUPATIONAL PROFILE

The value of current and accurate occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Occupational Employment Statistics (OES) Program--a cooperative effort between Arizona and the U.S. Bureau of Labor Statistics.

This *Occupational Profile* is one in a series of publications produced from information developed by the Occupational Employment Statistics survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey is used to collect employment data, by county, for over 700 occupations in Arizona. From these surveys, which require the cooperation of the Arizona business community, current employment in the various occupations is determined, and from this an occupational outlook is formulated. The *Occupational Profiles* contain the survey findings and examine, individually, the industries of Arizona.

Surveyed industries include:

Mining
Construction
Manufacturing
Transportation, Communications,
  and Public Utilities
Trade

Finance, Insurance, and Real Estate
Services
Lodging
Hospitals
Educational Services
Government

For further information, or to comment on any aspect of this program, please write to the address on the back cover.

INDUSTRY DESCRIPTION

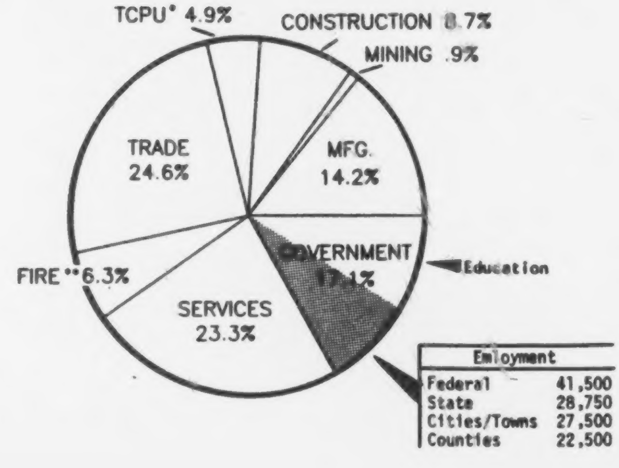
Government employees are engaged in a broad range of administrative and service-delivery activities requiring a variety of occupational skills. The major areas of government considered in this report are: executive, judicial, legislative, public safety, transportation, finance, human resources, corrections, economics, and environment. Aside from civilians working for the military, employment related to national security is not represented in this profile. Also excluded are hospital and educational facilities operated by state and local governments. Employment data for these facilities are included in separate profiles of hospitals and educational services.

A detailed description of governmental units and activities included in this profile can be found in the *Standard Industrial Classification (SIC) Manual*[1] under codes 91 through 97. Various specialized functions of government are described under other SIC codes found throughout the manual.

INDUSTRY CHARACTERISTICS

Government workers, excluding those in the public education system, numbered approximately 120,000 in 1986, or one of every eleven Arizona workers. Employees of counties, cities, and towns (local government) comprised 42 percent of the total, while federal and state government workers accounted for 34 and 24 percent respectively.

FIGURE 1: ARIZONA NONAGRICULTURAL EMPLOYMENT, 1986



Emloyment	
Federal	41,500
State	28,750
Cities/Towns	27,500
Counties	22,500

* TCPU - Transportation, Communications, and Public Utilities
** FIRE - Finance, Insurance, and Real Estate

---

[1] Office of management and Budget, *Standard Industrial Classification Manual, 1972 Edition.*

The federal government is the nation's largest employer with over 2.7 million employees providing a variety of services including some which have no counterpart in state and local government. Civilian military employees and postal service employees, for example, account for nearly half (48 percent) of all federal employment in Arizona. Luke Air Force Base (8 miles west of Phoenix) and Williams Air Force Base (21 miles southeast of Phoenix) account for the majority of civilian military employees in Maricopa County. In Pima County, civilian workers at Davis Monthan Air Force Base in Tucson numbered nearly 2,000 in May 1985. Arizona's largest military installation is in Cochise County where approximately 4,700 civilians were employed at the 73,000 acre Fort Huachuca site, and in Yuma County over 1,000 were employed at the Army's Proving Grounds.

FIGURE 2:
FEDERAL EMPLOYMENT IN ARIZONA FOR
SELECTED AGENCIES AND DEPARTMENTS
1986

	ARIZONA	MARICOPA COUNTY	PIMA COUNTY	BALANCE OF STATE
Civilian Military	10,020	2,630	1,840	5,550
Postal Service	8,660	5,840	1,560	1,260
BIA (Indian Affairs)	4,410	430	220	3,760
Veterans Administration	3,410	1,660	1,250	500
Health, Ed., and Welfare	3,320	1,050	330	1,940
Forest Service	1,600	170	110	1,320
National Parks	780	10	110	660

Arizona's 26,300 state government employees comprise 2 percent of total wage and salary employment in the state. As Figure 3 indicates, the bulk of these workers (67 percent) is in Maricopa County where Phoenix, the capital and largest city, is located. Pima County ranks second in number of state employees, and is followed by Pinal County--site of the state prison in Florence and the center for developmentally disabled in Coolidge.

The two major components of the "OTHER" category in Figure 3 are the Department of Administration (DOA) and the Department of Corrections. DOA is the umbrella agency encompassing such diverse operations as Data Processing, Finance, Personnel, Weights and Measures, Public Buildings, and the Office of Purchasing. Also included in the "OTHER" category are the Office of the Governor, the Legislature, the Apellate and Supreme Courts, the Department of Revenue, and various advisory boards.

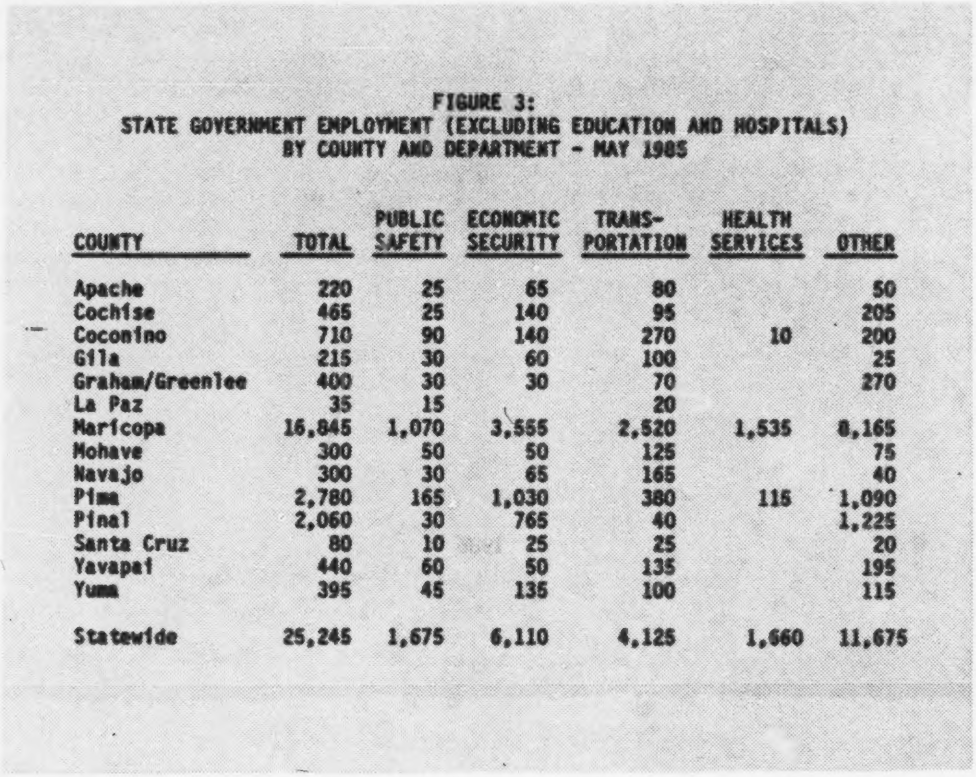


FIGURE 3:
STATE GOVERNMENT EMPLOYMENT (EXCLUDING EDUCATION AND HOSPITALS)
BY COUNTY AND DEPARTMENT - MAY 1985

COUNTY	TOTAL	PUBLIC SAFETY	ECONOMIC SECURITY	TRANS-PORTATION	HEALTH SERVICES	OTHER
Apache	220	25	65	80		50
Cochise	465	25	140	95		205
Coconino	710	90	140	270	10	200
Gila	215	30	60	100		25
Graham/Greenlee	400	30	30	70		270
La Paz	35	15		20		
Maricopa	16,845	1,070	3,555	2,520	1,535	8,165
Mohave	300	50	50	125		75
Navajo	300	30	65	165		40
Pima	2,780	165	1,030	380	115	1,090
Pinal	2,060	30	765	40		1,225
Santa Cruz	80	10	25	25		20
Yavapai	440	60	50	135		195
Yuma	395	45	135	100		115
Statewide	25,245	1,675	6,110	4,125	1,660	11,675

The Department of Economic Security (DES) is Arizona's largest government agency with over 6,000 employees. Charged with fostering the economic and social independence of Arizonans, DES is also the agency through which federal transfer payments, such as food stamps, aid to families with dependent children, and unemployment insurance benefits are channeled.

Local government is defined as any political subdivision of the state, e.g., counties, cities, towns, and special districts. Local governments are involved in a variety of endeavors: street and highway maintenance, police and fire protection, executive and judicial functions, recreation and library services. Aside from typical local government entities such as county boards of supervisors and municipal governments, Arizona, in 1985, had 55 fire districts, 34 water/irrigation districts, 12 natural resource conservation districts, 9 housing authorities, 5 electrical districts, 2 airport authorities, and 1 transit authority.

Unlike state government employment, which is concentrated in Maricopa County, the 46,500 employees of local government are distributed proportionately by population throughout Arizona's counties.

INDUSTRY TRENDS

Following the last recession, Arizona's total wage and salary employment registered a 24 percent increase between 1982 and 1985. During the same time period, government employment increased less than half that amount (8.6 percent) and, except for mining which lost employment, that increase is the smallest posted by any Arizona industry. Although this growth contributed an additional 9,050 jobs, government employment as a percentage of total Arizona employment declined from 10.2 to 8.9 percent during that period. Government's share will continue to shrink to about 8.6 percent of total employment in 1989.

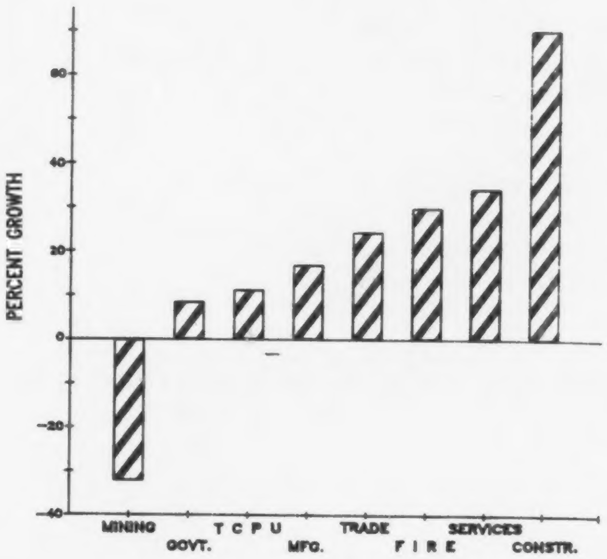
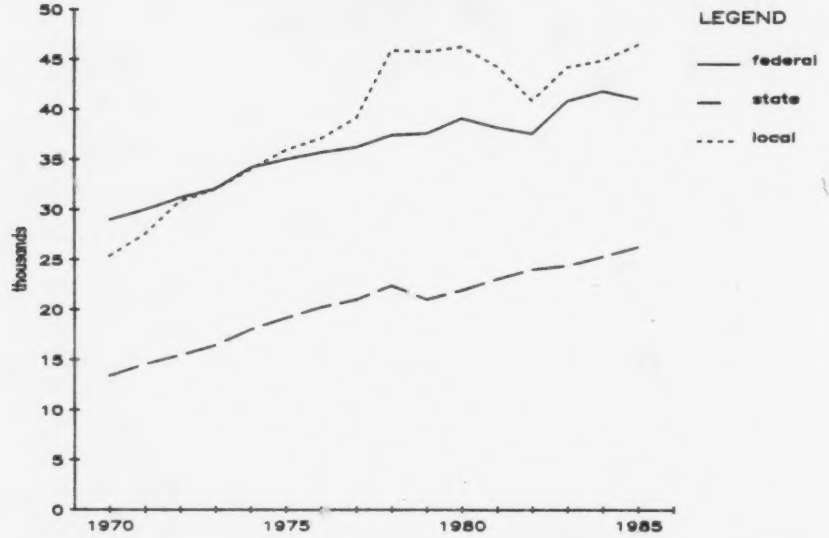


FIGURE 4:
EMPLOYMENT CHANGE IN ARIZONA'S INDUSTRIES
1982-1985

Bucking the national trend from 1982 to 1985, federal government employment in Arizona increased 8.7 percent. Figure 5 charts employment over the last 15 years and indicates the highest rate of growth was experienced at the local level. Further evidence of the expansion in this sector is the increasing number of local government entities--up from 421 in 1977 to 453 in 1982.

Government employment is projected to expand 13.6 percent between 1985 and 1989, while total wage and salary employment growth is expected to increase approximately 18 percent. In this same time period, Arizona's population is expected to increase 13 percent.

FIGURE 5:
ARIZONA'S GOVERNMENT EMPLOYMENT
1970-1985



Employment in the federal sector will show modest expansion--increasing 2,500 or 6.8 percent during the projection period. The increase in office automation may suppress the number of employment opportunities in some administrative support occupations, while opposing trends will affect the largest clerical occupation--postal mail carriers. While steady population growth and increasing volumes of mail will strengthen demand for postal mail carriers, competition from private concerns, continued automation of postal facilities, and full implementation of the "zip + 4" system will likely suppress demand.

Continuing efforts by the federal government to curtail civilian employment at military installations by contracting such operations as food service and building cleaning will temper employment increases in service occupations. This curtailment is part of a broader trend often referred to as "privatization," which occurs when a government entity discontinues providing a service or vacates the market place and is replaced by a private-sector firm. Privatization gained momentum in the late 1970s as local governments reacted to declining tax revenues and shifted jobs from the public to the private sector. Other forms of privatization include issuing vouchers to be redeemed with private companies or entering into leasing agreements with private firms.

The City of Phoenix has been particularly innovative in utilizing privatization. The United States Chamber of Commerce has spotlighted Phoenix as "one of the nation's leading laboratories for programs involving the private sector in government services." Private firms in Phoenix currently operate the bus system, provide security and crowd control, collect trash in some districts, tow and store illegally parked cars, and operate the city's landfill. Phoenix requires city departments to bid, along with private companies, to earn the right to provide specific services.

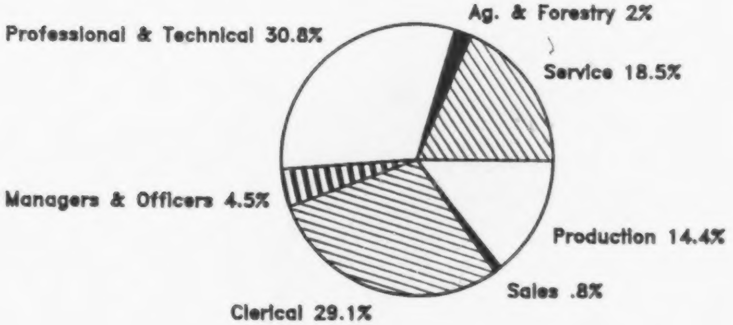
In a budget-conscious environment characterized by such measures as Gramm-Rudman, increases in employment over and above what is necessary to keep pace with population growth are unlikely. While federal employment levels are expected to remain stable, the functional composition/occupational mix will evolve with technological advancements and administrative policy changes.

Budgetary constraints are often the overriding factor when determining the level of employment that will be funded by state government. Current state revenue shortfalls may be further exacerbated as the federal government seeks ways to trim its own budget. Proposed changes in organizational practices would also affect the level of state government employment. Nationally, state and local government expenditures are projected to drop from 11.4 percent of GNP to 10.7 percent in the period 1984-1995. During the most recent recession, local government employment declined precipitously reflecting the sector's sensitivity to general economic conditions.

OCCUPATIONAL ANALYSIS

From sanitarians to swimming instructors, dog groomers to librarians, government employees possess a wide range of occupational skills. Sixty percent of all government jobs, however, are held by workers in "professional and technical" and "clerical" occupations. Prevalent in the professional and technical category are case workers and compliance inspectors in state government while the large employment share claimed by clerical workers reflects the many postal employees in federal government.

FIGURE 6:
OCCUPATIONAL CATEGORIES IN GOVERNMENT
1985



A comparison of occupational employment in federal government with that in state and local government reflects their functional differences. As indicated in Figure 7, the federal government employs a relatively greater number of "professional and technical workers" and "clerical workers." Teachers, nurses, science technicians, and forestry workers dominate the former, while clerical workers are led by postal mail carriers, shipping and receiving clerks, and postal service clerks.

Teachers and related occupations rank high on the federal list because of their employment in schools operated by the Bureau of Indian Affairs (BIA). Arizona has the third largest Indian population and funds for education constitute the largest item in the BIA budget, providing for nearly 1,100 teachers employed by the federal government in Arizona.

State and local government is numerically dominated by professional and technical workers, service workers, and clerical workers. Caseworkers, accountants and auditors, and employment interviewers contribute to the sizable share claimed by professional and technical occupations while service workers are led by law enforcement, fire protection, and other protective services workers in local government. Arizona and its municipalities employed about 4,000 police officers and 1,400 fire fighters in 1985. Across the country, three out of five protective-service jobs are in government.

FIGURE 7:
OCCUPATIONAL CATEGORIES IN GOVERNMENT
1985

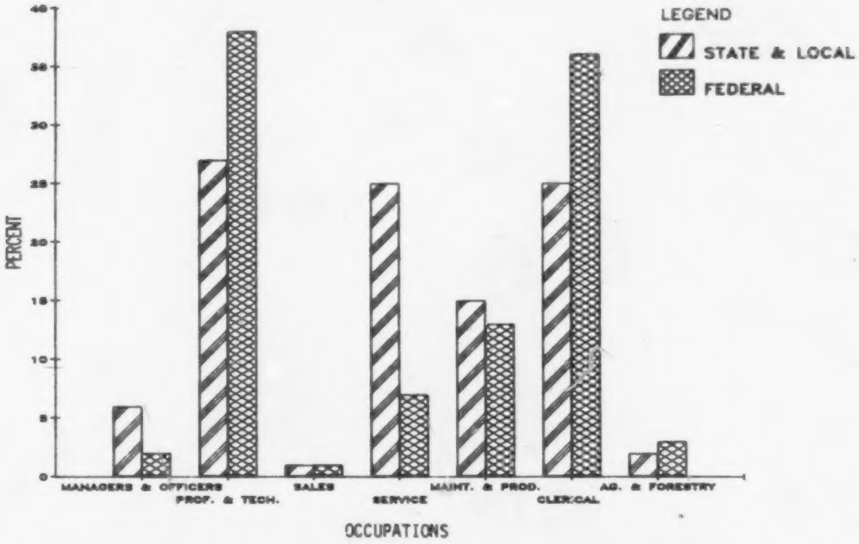


Figure 8, which ranks occupations with the greatest employment and job opportunities, also illustrates the dissimilarities in the occupational composition of federal versus state and local government employment. Only three occupations, secretary, typist, and clerical supervisor rank in the top ten in each level of government.

FIGURE 8: GOVERNMENT OCCUPATIONS WITH THE GREATEST EMPLOYMENT AND JOB OPENINGS

OCCUPATIONS	ESTIMATED 1985 EMPLOYMENT	OCCUPATIONS	JOB OPENINGS (EXC. TURNOVER) 1985-1989
Federal Government		**Federal Government**	
Postal Mail Carriers	3,367	Postal Mail Carriers	604
Traffic, Shipping, and Receiving Clerks	1,778	Postal Service Clerks	362
Postal Service Clerks	1,692	Traffic, Shipping, and Receiving Clerks	353
Teacher Aides, Paraprofessional	1,381	Secretaries	345
Secretaries	1,196	Typists	344
Registered Nurses	1,152	Registered Nurses	300
Typists	1,085	Teachers and Instructors, Voc. Ed. and Training	264
Teachers and Instructors, Voc. Ed. and Training	1,073	Teacher Aides, Paraprofessional	172
Forest and Conservation Workers	711	First Line Supers.-Clercial and Admin. Support	127
First Line Supers.-Clerical and Admin. Support	617	Licensed Practical Nurses	120
State and Local Government		**State and Local Government**	
Police Patrol Officers	3,723	Corrections Officers and Jailers	1,331
Correction Officers and Jailers	3,329	Secretaries	1,050
Secretaries	2,660	General Office clerks	912
General Office Clerks	2,407	Typists	862
Typists	2,040	Police Patrol Officers	821
Highway Maintenance Workers	1,424	Bookkeeping, Accounting, and Auditing Clerks	475
Fire Fighters	1,362	Highway Maintenance Workers	395
Bookkeeping, Accounting, and Auditing Clerks	1,326	Compliance Inspectors, Exc. Construction	314
Police and Detective Supervisors	1,324	Fire Fighters	310
Social Service Technicians	1,193	First Line Supers.-Clerical and Admin. Support	307

Government employment in all the major occupational categories will expand. Increasing most rapidly will be the professional and technical workers category, resulting primarily, from expansion in health, engineering, computer, and inspection occupations. Also expected to expand substantially is the services category which will be led by growth in the number of protective service workers in local governments. Most prominent in this group are police patrol officers, correction officers and jailers, and firefighters.

At the other extreme and losing the greatest share of employment is the clerical group. Automation is instrumental to the changes in this category and few occupations will experience the effects of changing technology as severely as postal service clerks. Not only will their numbers be supressed by ever more efficient and technical equipment, but the quantity of mail handled by the postal service will be affected by new and competing delivery systems--many of which involve the electronic transmission of information.

Also experiencing a diminishing share of government employment is the maintenance and production category. Here, again, automation will slow employment growth in such occupations as warehouse laborers and freight and material handlers.

Although experiencing a diminishing share of employment, clerical occupations in government will provide more than 8,000 job opportunities between 1985 and 1989--the most opportunities for any occupational group. The number of openings for clerical workers created by employment growth will be matched by those resulting from workers leaving the labor force. In addition to these separations, a larger number of openings will result from workers changing jobs. Job turnover, as these openings are defined, is generally the greatest source of job openings and is particularly high in clerical occupations. Secretaries, typists, and general office workers head the list of occupations providing job seekers the most opportunities in the years ahead.

Numbering more than 1,500 in 1985, compliance and enforcement inspectors constitute government's largest occupation in the professional and technical category. These workers examine animals, plant life, products, and establishments to enforce health, safety, and other regulatory laws. Typical public administration inspectors are bank examiners and customs, air pollution, food, sanitary, and housing inspectors. Demand for these and other government workers, created by an expanding industry and a growing population, will be constrained by limited growth in regulatory programs and government spending.

OCCUPATIONAL STRUCTURE

The following tables provide employment estimates and projected employment and job openings for the counties and the state.

When using the data, please note the following:

1) The data reflect full and part-time wage and salary employment.

2) Employment growth in each of the nonmetropolitan counties reflects the rate calculated for the "balance of state" (Arizona less Maricopa and Pima counties). Projected employment for Yavapai County, for example, reflects levels that would be attained if government were to expand at the rate that is predicted for all government employment in the "balance of state."

3) "Total job openings" represents the number of openings due to growth of the industry and separations from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are often the largest source of job openings.

4) The projection technique does not possess the degree of accuracy that may be implied by small employment and demand figures.

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

STATEWIDE

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	4,722	4.5	5,361	1,157
Financial Managers	221	.2	250	46
Personnel, Training, & Labor Relations Mgrs.	112	.1	123	20
Purchasing Managers	29	.0	31	3
Marketing, Advertising, & Public Rel. Mgrs.	37	.0	40	5
Administrative Services Managers	241	.2	272	52
Engineering, Mathematical & Natural Sciences Mgrs.	110	.1	115	16
Postmasters & Mail Superintendents	275	.3	291	76
Education Administrators	160	.2	174	26
Medicine & Health Services Managers	260	.2	290	54
Property & Real Estate Managers & Admin.	16	.0	17	1
Industrial Production Managers	1	.0	1	0
Construction Managers	106	.1	119	21
Transportation, Communications, & Utilities Operations Managers	372	.4	423	67
Public Administration Executives, Legislators, & Administrators	568	.5	664	158
General Managers & Top Executives	994	1.0	1,145	263
All Other Managers & Administrators	1,220	1.2	1,406	349
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	32,204	30.8	35,829	7,342
Management Support Occupations	8,115	7.8	9,159	2,108
Loan Officers & Counselors	57	.0	62	9
Accountants & Auditors	985	.9	1,113	265
Budget Analysts	234	.2	255	49
All Other Financial Specialists	208	.2	236	45
Purchasing Agents, Exc. Wholesale, Retail, & Farm	491	.5	532	96
Claims Takers, Unemployment Benefits	401	.4	462	114
Employment Interviewers	183	.2	201	35
Personnel, Training, & Labor Rel. Specialists	721	.7	808	161
Management Analysts	302	.3	331	90
Construction & Building Inspectors	564	.5	640	156
Compliance & Enforcement Inspectors, Exc. Const.	1,541	1.5	1,746	404
Tax Examiners, Collectors, & Revenue Agents	419	.4	459	95
Assessors	79	.1	87	24
All Other Management Support Workers	1,930	1.8	2,227	565
Engineers & Related Occupations	4,366	4.2	4,870	837
Aeronautical & Astronautical Engineers	8	.0	8	0
Mining Engineers, Incl. Mine Safety	6	.0	6	0
Chemical Engineers	1	.0	1	0
Nuclear Engineers	4	.0	4	0
Civil Engineers, Incl. Traffic	804	.8	913	202
Agricultural Engineers	12	.0	13	1
Electrical & Electronic Engineers	383	.4	406	42
Industrial Engineers, Exc. Safety	17	.0	17	0
Safety Engineers, Exc. Mining	51	.0	54	4
Mechanical Engineers	46	.0	48	3
All Other Engineers	164	.2	177	21
Architects, Exc. Landscape & Marine	11	.0	12	1
Landscape Architects	9	.0	9	0
Surveying & Mapping Scientists	130	.1	145	17
Civil Engineering Technicians & Technologists	553	.5	638	147
Electrical/Electronic Engineering Technicians	420	.4	464	62
Industrial Engineering Techs.	13	.0	13	0
Drafters	401	.4	463	90
Surveying & Mapping Techs.	604	.6	689	114
All Other Engineering & Related Technicians	729	.7	790	133
Natural Scientists & Related Workers	1,454	1.4	1,560	206
Physicists & Astronomers	23	.0	23	0
Chemists, Exc. Biochemists	85	.1	96	18

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

STATEWIDE (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Atmospheric & Space Scientists	21	.0	23	3
Geologists, Geophysicists, & Oceanographers	133	.1	142	14
All Other Physical Scientists	87	.1	98	16
Foresters & Conservation Scientists	340	.3	358	35
Agricultural & Food Scientists	124	.1	130	18
Biological Scientists	203	.2	217	31
Medical Scientists	3	.0	3	0
All Other Life Scientists	24	.0	25	2
Physical & Life Science Technicians & Technologists	132	.1	148	26
Biological, Agri., & Food Techs., Exc. Health	128	.1	137	20
All Other Physical & Life Science Techs.	151	.1	160	23
Computer, Math, Research, & Related Occupations	1,334	1.3	1,474	192
Systems Analysts, Electronic Data Processing	684	.7	753	93
Computer Programmers	361	.3	413	68
Computer Programmer Aides	194	.2	210	27
Operations & Systems Analysts, Exc. Computer	49	.0	51	3
Mathematical Scientists	1	.0	1	0
Statisticians	11	.0	12	1
Financial Analysts, Statistical	1	.0	1	0
All Other Mathematical Scientists	22	.0	22	0
Mathematical Technicians	11	.0	11	0
Social Scientists & Other Social, Recreational, & Religious Occupations	3,540	3.4	4,059	879
Economists, Incl. Market Research Analysts	155	.1	178	37
Urban & Regional Planners	397	.4	455	76
Psychologists	115	.1	126	18
All Other Social Scientists	125	.1	134	13
Social Workers, Medical & Psychiatric	31	.0	34	6
Social Workers, Exc. Medical & Psychiatric	580	.6	667	183
Social Service Technicians	1,210	1.2	1,405	292
Recreation Workers	911	.9	1,043	252
Clergy	16	.0	17	2
Law and Related Occupations	2,348	2.2	2,681	687
Judges & Magistrates	394	.4	455	166
Adjudicators, Hearing Officers, & Related	31	.0	34	4
Lawyers	997	1.0	1,149	253
Law Clerks	265	.3	303	64
Paralegal Personnel	125	.1	141	26
All Other Legal Assistants/Techs., Exc. Clerical	536	.5	599	174
Teachers, Educators, Librarians, & Related Occupations	3,277	3.1	3,501	676
Teachers & Instructors, Voc. Ed. & Training	1,197	1.1	1,271	304
Instructors, Nonvocational Education	12	.0	12	0
Farm & Home Management Advisors	1	.0	1	0
All Other Teachers & Instructors	5	.0	5	0
Librarians, Professional	444	.4	498	145
Technical Assistants, Library	92	.1	104	29
Curators, Archivists, & Museum Technicians	20	.0	21	2
Vocational & Educational Counselors	78	.1	87	17
Instructional Coordinators	47	.0	52	7
Teacher Aides, Paraprofessional	1,381	1.3	1,450	172
Health Practitioners, Technicians, & Related	3,910	3.7	4,275	1,059
Physicians & Surgeons	404	.4	435	84
Dentists	11	.0	11	0
Optometrists	2	.0	2	0
Podiatrists	4	.0	4	0
Veterinarians & Veterinary Inspectors	15	.0	16	1
Therapists	84	.1	96	23
Occupational Therapists	6	.0	6	0
Physical Therapists	11	.0	11	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

STATEWIDE (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Corrective & Manual Arts Therapists	5	.0	5	0
Speech Pathologists & Audiologists	18	.0	19	2
Recreational Therapists	4	.0	4	0
Registered Nurses	1,430	1.4	1,557	391
Licensed Practical Nurses	536	.5	584	159
Emergency Medical Technicians	358	.3	414	132
Physician Assistants	29	.0	29	2
Pharmacists	64	.1	68	16
Dietitians & Nutritionists	72	.1	78	15
Medical & Clinical Laboratory Technologists	218	.2	231	47
Medical Records Technicians & Technologists	107	.1	112	28
Radiologic Technicians	83	.1	87	13
All Other Health Professionals, Paraprofessionals, & Technicians	449	.4	506	146
Writers, Artists, Athletes, & Related	206	.2	220	36
Writers & Editors	74	.1	78	14
Public Rel. Specialists & Publicity Writers	83	.1	93	20
Photographers	31	.0	31	2
Broadcast Technicians	2	.0	2	0
Artists & Related Workers	12	.0	12	0
Athletes, Coaches, Umpires, & Related Workers	4	.0	4	0
Other Professional, Paraprofessional & Tech. Occupations	3,654	3.5	4,030	662
Airplane Dispatchers & Air Traffic Controllers	302	.3	328	36
Traffic Technicians	142	.1	163	34
Radio Operators	50	.0	55	9
All Other Professional, Paraprofessional, & Technical Workers	3,160	3.0	3,484	583
SALES & RELATED OCCUPATIONS	843	.8	945	233
First Line Supervisors & Managers - Sales	38	.0	40	3
Appraisers, Real Estate	411	.4	471	138
Salespersons, Retail	138	.1	149	26
Cashiers	167	.2	185	44
All Other Sales & Related Workers	89	.1	100	22
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	30,383	29.1	34,086	8,491
First Line Supervisors & Manager/Supervisors	1,702	1.6	1,923	434
Selected Industry Specific Clerical & Administrative Support Occupations	2,561	2.5	2,939	819
Adjustment Clerks	5	.0	5	1
Insurance Adjusters, Examiners, & Investigators	36	.0	40	7
Insurance Claims Clerks	163	.2	175	45
Welfare Eligibility Workers & Interviewers	687	.7	797	225
Court Clerks	688	.7	802	256
Municipal Clerks	107	.1	119	19
License Clerks	490	.5	563	171
Travel Clerks	10	.0	10	1
Library Assistants & Bookmobile Drivers	301	.3	350	79
Teacher Aides & Ed. Assistants, Clerical	3	.0	3	0
Real Estate Clerks	71	.1	75	15
Selected Secretarial and General Office Occupations	13,468	12.9	15,263	4,741
Secretaries	3,856	3.6	4,375	1,395
Stenographers	276	.3	310	83
Receptionists & Information Clerks	343	.3	370	92
Typists	3,125	3.0	3,531	1,206
Typists, Word Processing Equipment	203	.2	232	50
Personnel Clerks, Exc. Payroll & Timekeeping	387	.4	422	134
Correspondence Clerks	2	.0	2	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

STATEWIDE (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
File Clerks	228	.2	262	93
Order Clerks - Materials, Merch., & Service	2	.0	2	0
Procurement Clerks	104	.1	111	15
Statistical Clerks	56	.1	62	16
Interviewing Clerks, Exc. Personnel & Welfare	286	.3	304	59
Customer Service Representatives, Utilities	167	.2	191	58
Bookkeeping, Accounting, & Auditing Clerks	1,757	1.7	2,002	579
Payroll & Timekeeping Clerks	131	.1	138	22
Billing, Cost & Rate Clerks	28	.0	29	4
General Office Clerks	2,517	2.4	2,920	935
Electronic Data Processing & Other Office Machine Occupations	1,019	1.0	1,155	245
Billing, Posting, & Calculating Machine Opers.	1	.0	1	0
Mail Machine Operators, Preparation & Handling	19	.0	21	7
Computer Operators, Exc. Peripheral Equipment	382	.4	433	88
Peripheral EDP Equipment Operators	78	.1	89	26
Data Entry Keyers, Exc. Composing	434	.4	494	87
All Other Office Machine Operators	105	.1	117	37
Selected Communications, Mail, and Message Distributing Occupations	5,849	5.6	6,398	1,171
Switchboard Operators	210	.2	231	64
Telegraph & Teletype Operators	8	.0	9	1
All Other Communication Equipment Operators	30	.0	31	5
Mail Clerks, Exc. Mail Machine Operators & Postal Service	391	.4	428	100
Postal Mail Carriers	3,367	3.2	3,678	604
Postal Service Clerks	1,692	1.6	1,850	362
Messengers	151	.1	171	35
Material Recording, Scheduling, Dispatching & Distributing Occupations	3,895	3.7	4,305	820
Dispatchers - Police, Fire, & Ambulance	727	.7	849	197
Dispatchers - Exc. Police, Fire, & Ambulance	49	.0	54	6
Production, Planning, & Expediting Clerks	170	.2	180	41
Meter Readers, Utilities	125	.1	139	19
Stock Clerks - Stockroom, Warehouse, or Yard	896	.9	980	174
Traffic, Shipping, & Receiving Clerks	1,785	1.7	1,943	353
All Other Material Recording/Scheduling/Dist.	143	.1	160	30
All Other Clerical and Administrative Support Occupations	1,889	1.8	2,103	261
SERVICE OCCUPATIONS	19,310	18.4	22,233	5,271
First Line Supers. & Mgrs./Supers. - Service	2,900	2.8	3,340	696
Fire Fighting & Prevention Supervisors	587	.6	680	122
Police & Detective Supervisors	1,457	1.4	1,676	285
All Other Service Supervisors & Managers	856	.8	984	289
Protective Service Occupations	11,537	11.0	13,388	3,100
Fire Inspectors	59	.1	68	11
Forest Fire Inspectors & Prev. Specialists	6	.0	6	0
Fire Fighters	1,530	1.5	1,779	331
Police Detectives	443	.4	503	74
Police Patrol Officers	3,975	3.8	4,613	845
Correction Officers & Jailers	3,361	3.2	3,947	1,339
Parking Enforcement Officers	2	.0	2	0
Bailiffs	153	.1	176	33
U.S. Marshalls	21	.0	22	4
Criminal Investigators, Federal	178	.2	192	53
Sheriffs & Deputy Sheriffs	990	.9	1,164	250
Game Wardens	134	.1	152	24

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

STATEWIDE (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Guards & Watch Guards	357	.3	394	53
All Other Protective Service Workers	328	.3	370	83
Food & Beverage Service Occupations	967	.9	1,057	228
Bakers, Bread & Pastry	2	.0	2	0
Butchers & Meat Cutters	57	.1	61	8
Cooks, Institution or Cafeteria	356	.3	384	71
Food Preparation Workers	77	.1	87	20
Combined Food Preparation & Service Workers	340	.3	363	81
All Other Food Service Workers	135	.1	160	48
Health Service and Related Occupations	1,085	1.0	1,199	297
Dental Assistants	114	.1	119	32
Medical Assistants	75	.1	86	25
Nursing Aides, Orderlies, & Attendants	374	.4	413	113
Home Health Aides	73	.1	83	14
Psychiatric Aides	231	.2	266	86
Physical & Corrective Therapy Assists./Aides	12	.0	12	0
Pharmacy Assistants	49	.0	52	10
All Other Health Service Workers	157	.2	168	17
Cleaning & Building Service Occupations, Exc. Private Households	1,199	1.1	1,349	354
Janitors & Cleaners, Exc. Maids & Housekeeping	441	.4	470	103
Pest Controllers & Assistants	6	.0	6	0
All Other Cleaning/Building Service, Exc. Private House	752	.7	873	251
Selected Personal Service Occupations	1,556	1.5	1,825	576
Barbers	3	.0	3	0
Amusement & Recreation Attendants	622	.6	729	196
Social Welfare Service Aides	309	.3	353	93
Child Care Workers	622	.6	740	287
All Other Service Occupations	66	.1	75	20
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	2,045	2.0	2,252	452
First Line Supervisors	108	.1	112	12
Other Agricultural, Forestry, Fishing, & Related Occupations	1,937	1.9	2,140	440
Forest & Conservation Workers	796	.8	836	88
Graders & Sorters, Agricultural Products	21	.0	23	5
Gardeners & Groundskeepers, Exc. Farm	901	.9	1,046	312
Animal Caretakers, Exc. Farm	91	.1	101	22
All Other Agri., Forestry, Fishing, & Related	128	.1	134	13
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	15,055	14.4	16,888	3,048
First Line Supervisors & Managers - Prod. & Rel.	1,566	1.5	1,748	383
First Line Managers/Supervisors - Mechanics/Installers/Repairers	703	.7	781	162
First Line Managers/Supervisors - Construction Trades & Extraction Workers	234	.2	261	41
First Line Mgrs./Supers. - Production & Opers.	46	.0	49	4
First Line Mgrs./Supers. - Transport. Operatives	228	.2	254	65
First Line Mgrs./Supers. - Laborers & Helpers	40	.0	43	10
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	315	.3	360	101
Inspectors & Related Occupations	85	.1	88	8
Precision Inspectors, Testers, & Graders	41	.1	43	5
Production Inspectors, Testers, & Graders	29	.0	30	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

STATEWIDE (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Transportation Inspectors	13	.0	13	0
All Other Inspectors, Testers, & Related	2	.0	2	0
Mechanics, Installers, & Repairers	4,115	3.9	4,533	655
Machinery Maintenance Mechanics, Water & Power Generation Plants	259	.2	299	61
All Other Machinery Maintenance Mechanics	197	.2	216	22
Machinery Maintenance Workers	208	.2	235	48
Maintenance Repairers, General Utility	996	1.0	1,105	182
Automotive Mechanics	369	.4	411	64
Automotive Body & Related Repairers	1	.0	1	0
Bus & Truck Mechs., & Diesel Eng. Specialists	90	.1	99	13
Mobile Heavy Equip. Mechanics, Exc. Engines	385	.4	430	58
Rail Car Repairers	3	.0	3	0
Aircraft Mechanics	270	.3	291	36
Aircraft Engine Specialists	156	.1	167	16
Small Engine Specialists	1	.0	1	0
Central Office & PBX Installers & Repairers	14	.0	14	0
Frame Wirers, Central Office	6	.0	7	1
Telephone & Cable TV Line Installers/Repairers	2	.0	2	0
Electric Home Appliance & Power Tool Repairers	3	.0	3	0
Electric Motor, Transformer, & Rel. Repairers	10	.0	10	0
Electronics Repairers, Commercial & Ind. Equip.	186	.2	200	23
Powerhouse, Substation, & Relay Electricians	23	.0	25	3
Electrical Powerline Installers & Repairers	49	.0	52	5
Electrical Installers & Repairers, Transportation Equipment	30	.0	33	4
All Other Electrical Mechs./Installers/Repairers	42	.0	44	3
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	129	.1	136	14
Precision Instrument Repairers	154	.1	172	28
Electromedical & Biomedical Equip. Repairers	15	.0	16	1
Electric Meter Installers & Repairers	8	.0	8	0
Locksmiths & Safe Repairers	6	.0	6	0
Office Machine & Cash Register Servicers	1	.0	1	0
Mechanical Control & Valve Installers & Repairers	132	.1	141	13
Riggers	3	.0	3	0
Tire Repairers & Changers	3	.0	3	0
All Other Mechanics, Installers, & Repairers	364	.3	399	60
Construction Trades & Extractive Occupations, Exc. Material Moving	2,859	2.7	3,278	691
Carpenters	160	.2	172	26
Electricians	331	.3	372	67
Stone Masons	6	.0	6	0
Concrete & Terrazzo Finishers	15	.0	16	1
Plasterers & Stucco Masons	1	.0	1	0
Painters & Paperhangers - Construction & Maintenance	146	.1	157	23
Plumbers, Pipefitters, & Steamfitters	126	.1	134	15
Pipelayers	15	.0	17	3
Paving, Surfacing, & Tamping Equip. Opers.	503	.5	588	139
Highway Maintenance Workers	1,424	1.4	1,667	395
Rail-Track Laying & Maintenance Equip. Opers.	1	.0	1	0
Insulation Workers	1	.0	1	0
Roofers	6	.0	6	0
Glaziers	1	.0	1	0
All Extraction Workers, Exc. Helpers	37	.0	41	6
All Other Construction & Extraction Workers, Exc. Helpers	86	.1	98	16
Precision Production Occupations	174	.2	188	24
Tool & Die Makers	3	.0	3	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

STATEWIDE (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Machinists	21	.0	22	1
Sheet Metal Workers	52	.1	57	8
Cabinetmakers & Bench Carpenters	8	.0	9	1
All Other Precision Textile & Apparel Workers	55	.1	61	11
Precision Lithography & Photoengraving Workers	2	.0	2	0
Precision Pattern/Model Makers	18	.0	19	3
Precision Detail Design Decorators & Painters	9	.0	9	0
Precision Dental Laboratory Technicians	6	.0	6	0
Machine Setters, Set-up Operators, Operators, & Tenders	186	.2	205	32
Selected Machine Tool Cutting Setters, Operators, & Related Workers - Metal & Plastic	118	.1	135	27
Electrolytic Coating Machine Operators - Metal & Plastic	1	.0	1	0
Nonelectrolytic Coating Machine Operators - Metal & Plastic	26	.0	27	3
All Other Metal & Plastic Machine Operators	1	.0	1	0
Photoengraving & Lithographing Photographers	2	.0	2	0
Printing Press Machine Operators & Tenders	24	.0	25	2
Bindery Machine Operators	2	.0	2	0
Sewing Machine Operators, Garment	2	.0	2	0
Laundry/Drycleaning Mach. Opers., Exc. Pressing	5	.0	5	0
Chemical Equipment Controllers & Operators	2	.0	2	0
Painters, Transportation Equipment	2	.0	2	0
All Other Machine Operators & Tenders	1	.0	1	0
Hand Working, Inc. Assemblers & Fabricators	128	.1	136	16
Welders & Cutters	25	.0	26	1
Assemblers/Fabricators - Exc. Machine, Electrical, & Precision	35	.0	37	5
All Other Hand Workers	68	.1	73	10
Plant and System Occupations	839	.8	958	161
Water & Liquid Waste Treatment System Opers.	652	.6	753	133
Power Generating Plant Opers., Exc. Aux. Equip.	2	.0	2	0
Power Distributors & Dispatchers	39	.0	42	4
Stationary Engineers	66	.1	72	10
All Other Plant & System Operators	80	.1	89	14
Transportation & Material Moving Machine & Vehicle Operators	2,275	2.2	2,547	437
Truck Drivers, Heavy or Tractor Trailer	110	.1	123	19
Truck Drivers, Light - Incl. Delivery & Route	53	.1	59	8
Bus Drivers	23	.0	25	3
All Other Motor Vehicle Operators	363	.3	381	41
Locomotive Engineers	1	.0	1	0
Aircraft Pilots & Flight Engineers	40	.0	43	4
Bridge, Lock, & Lighthouse Tenders	3	.0	3	1
Service Station Attendants	108	.1	121	22
All Other Transportation & Related Workers	345	.3	394	83
Crane & Tower Operators	11	.0	11	0
Industrial Truck & Tractor Operators	91	.1	98	10
Operating Engineers	984	.9	1,123	215
All Other Transportation & Moving Equip. Operators	13	.0	13	0
All Other Material Moving Equipment Operators	130	.1	152	31
Helpers, Laborers, & Material Movers, Hand	2,828	2.7	3,207	641
Mechanic & Repairer Helpers	1	.0	1	0
Refuse Collectors	751	.7	877	166
All Other Freight & Material Movers, Hand	2	.0	2	0
Hand Packers & Packagers	13	.0	13	1
Vehicle Washers & Equipment Cleaners	8	.0	8	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

STATEWIDE (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
All Other Helpers & Laborers	2,053	2.0	2,306	474
TOTAL OF ALL OCCUPATIONS	104,562	100.0	117,594	25,994

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

APACHE COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	103	114	11	7	18
Financial Managers	4	4	0	0	0
Personnel, Training, & Labor Relations Mgrs.	3	3	0	0	0
Purchasing Managers	1	1	0	0	0
Administrative Services Managers	3	3	0	0	0
Engineering, Mathematical, & Natural Sciences Managers	12	13	1	0	1
Postmasters & Mail Superintendents	17	18	1	4	5
Education Administrators	14	16	2	0	2
Medicine & Health Services Managers	7	7	0	0	0
Property & Real Estate Managers & Admin.	3	3	0	0	0
Public Administration Executives, Legislators, & Administrators	16	19	3	1	4
General Managers & Top Executives	5	6	1	0	1
All Other Managers & Administrators	18	21	3	2	5
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,412	1,515	103	165	268
Loan Officers & Counselors	2	2	0	0	0
Accountants & Auditors	5	5	0	0	0
Budget Analysts	9	10	1	0	1
All Other Financial Specialists	1	1	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	18	19	1	2	3
Claims Takers, Unemployment Benefits	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	14	15	1	1	2
Construction & Building Inspectors	9	10	1	1	2
Compliance & Enforcement Inspectors, Exc. Const.	19	22	3	0	3
Tax Examiners, Collectors, & Revenue Agents	4	5	1	0	1
Assessors	9	11	2	2	4
All Other Management Support Workers	5	6	1	0	1
Civil Engineers, Incl. Traffic	11	12	1	0	1
Electrical & Electronic Engineers	1	1	0	0	0
Safety Engineers, Exc. Mining	1	1	0	0	0
Mechanical Engineers	1	1	0	0	0
All Other Engineers	1	1	0	0	0
Architects, Exc. Landscape & Marine	1	1	0	0	0
Landscape Architects	1	1	0	0	0
Surveying & Mapping Scientists	6	6	0	0	0
Civil Engineering Technicians & Technologists	3	4	1	0	1
Electrical/Electronic Engineering Technicians	3	3	0	0	0
Drafters	6	6	0	0	0
Surveying & Mapping Techs.	11	12	1	0	1
All Other Engineering & Related Technicians	61	65	4	6	10
Geologists, Geophysicists, & Oceanographers	3	3	0	0	0
All Other Physical Scientists	1	1	0	0	0
Foresters & Conservation Scientists	36	38	2	2	4
Agricultural & Food Scientists	6	6	0	0	0
Biological Scientists	6	6	0	0	0
Physical & Life Science Technicians & Technol.	1	1	0	0	0
Biological, Agri., & Food Techs., Exc. Health	2	2	0	0	0
All Other Physical & Life Science Techs.	1	1	0	0	0
Systems Analysts, Electronic Data Processing	2	2	0	0	0
Computer Programmers	5	6	1	0	1
Computer Programmer Aides	1	1	0	0	0
Psychologists	1	1	0	0	0
All Other Social Scientists	5	5	0	0	0
Social Workers, Exc. Medical & Psychiatric	9	10	1	1	2
Social Service Technicians	12	14	2	0	2
Recreation Workers	31	34	3	3	6
Judges & Magistrates	7	8	1	2	3
Lawyers	11	13	2	1	3
Teachers & Instructors, Voc. Ed. & Training	297	318	21	58	79
Librarians, Professional	18	20	2	3	5
Curators, Archivists, & Museum Technicians	3	3	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

APACHE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Teacher Aides, Paraprofessional	428	457	29	32	61
Physicians & Surgeons	17	18	1	2	3
Veterinarians & Veterinary Inspectors	1	1	0	0	0
Physical Therapists	1	1	0	0	0
Speech Pathologists & Audiologists	2	2	0	0	0
Registered Nurses	123	131	8	22	30
Licensed Practical Nurses	38	41	3	8	11
Physician Assistants	4	4	0	0	0
Pharmacists	1	1	0	0	0
Dietitians & Nutritionists	7	8	1	1	2
Medical & Clinical Laboratory Technologists	27	29	2	4	6
Medical Records Technicians & Technologists	34	36	2	8	10
Radiologic Technicians	9	10	1	2	3
All Other Health Professionals, Paraprofessionals, & Technicians	6	6	0	0	0
Writers & Editors	1	1	0	0	0
Public Rel. Specialists & Publicity Writers	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	51	54	3	4	7
SALES & RELATED OCCUPATIONS	3	3	0	0	0
Appraisers, Real Estate	2	2	0	0	0
Cashiers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	549	607	58	92	150
First Line Supers.-Clerical & Admin. Support	20	23	3	2	5
Insurance Claims Clerks	2	2	0	0	0
Welfare Eligibility Workers & Interviewers	31	37	6	6	12
Court Clerks	4	5	1	0	1
Municipal Clerks	3	4	1	0	1
License Clerks	15	18	3	3	6
Library Assistants & Bookmobile Drivers	11	13	2	1	3
Real Estate Clerks	7	7	0	0	0
Secretaries	126	139	13	29	42
Stenographers	3	3	0	0	0
Receptionists & Information Clerks	10	11	1	2	3
Typists	106	116	10	26	36
Personnel Clerks, Exc. Payroll & Timekeeping	13	14	1	3	4
Procurement Clerks	3	3	0	0	0
Statistical Clerks	1	1	0	0	0
Interviewing Clerks, Exc. Personnel & Welfare	29	31	2	3	5
Bookkeeping, Accounting, & Auditing Clerks	31	33	2	5	7
Payroll & Timekeeping Clerks	7	7	0	1	1
Billing, Cost & Rate Clerks	2	2	0	0	0
General Office Clerks	38	45	7	7	14
Computer Operators, Exc. Peripheral Equipment	4	4	0	0	0
Data Entry Keyers, Exc. Composing	2	2	0	0	0
Switchboard Operators	9	9	0	0	0
Postal Service Clerks	3	3	0	0	0
Dispatchers - Police, Fire, & Ambulance	11	13	2	1	3
Production, Planning, & Expediting Clerks	1	1	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	15	16	1	1	2
Traffic, Shipping, & Receiving Clerks	25	27	2	2	4
All Other Clerical & Administrative Support	17	18	1	0	1
SERVICE OCCUPATIONS	411	451	40	52	92
Fire Fighting & Prevention Supervisors	2	2	0	0	0
Police & Detective Supervisors	11	13	2	0	2
All Other Service Supervisors & Managers	20	21	1	3	4
Police Detectives	1	1	0	0	0
Police Patrol Officers	37	44	7	2	9
Correction Officers & Jailers	15	18	3	2	5
Criminal Investigators, Federal	5	5	0	0	0
Sheriffs & Deputy Sheriffs	17	20	3	1	4

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

APACHE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Game Wardens	2	2	0	0	0
Guards & Watch Guards	17	18	1	0	1
All Other Protective Service Workers	6	7	1	0	1
Cooks, Institution or Cafeteria	53	57	4	7	11
Food Preparation Workers	4	5	1	0	1
Combined Food Preparation & Service Workers	49	52	3	8	11
Dental Assistants	24	26	2	7	9
Nursing Aides, Orderlies, & Attendants	39	42	3	7	10
Physical & Corrective Therapy Assists./Aides	2	2	0	0	0
Pharmacy Assistants	4	4	0	0	0
All Other Health Service Workers	8	9	1	0	1
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	9	11	2	1	3
Janitors & Cleaners, Exc. Maids & Housekeeping	75	80	5	12	17
Amusement & Recreation Attendants	6	7	1	1	2
Social Welfare Service Aides	5	5	0	1	1
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	89	96	7	6	13
First Line Supervisors - Agri., Forestry, & Rel.	9	10	1	1	2
Forest & Conservation Workers	64	68	4	4	8
Gardeners & Groundskeepers, Exc. Farm	6	7	1	1	2
Animal Caretakers, Exc. Farm	1	1	0	0	0
All Other Agri., Forestry, Fishing, & Related	9	10	1	0	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	474	522	48	40	88
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	27	29	2	3	5
First Line Managers/Supervisors - Construction Trades & Extraction Workers	1	1	0	0	0
First Line Mgrs./Supers. - Transport. Operatives	9	10	1	1	2
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	2	2	0	0	0
Transportation Inspectors	1	1	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	1	1	0	0	0
All Other Machinery Maintenance Mechanics	5	5	0	0	0
Maintenance Repairers, General Utility	90	97	7	7	14
Automotive Mechanics	2	2	0	0	0
Mobile Heavy Equip. Mechanics, Exc. Engines	11	12	1	0	1
Electric Motor, Transformer, & Rel. Repairers	1	1	0	0	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	4	4	0	0	0
Electromedical & Biomedical Equip. Repairers	1	1	0	0	0
Locksmiths & Safe Repairers	1	1	0	0	0
Mechanical Control & Valve Installers & Repairers	2	2	0	0	0
All Other Mechanics, Installers, & Repairers	2	2	0	0	0
Carpenters	11	12	1	1	2
Electricians	9	10	1	1	2
Stone Masons	1	1	0	0	0
Painters & Paperhangers - Construction & Maintenance	9	10	1	1	2
Plumbers, Pipefitters, & Steamfitters	13	14	1	1	2
Paving, Surfacing, & Tamping Equip. Opers.	38	45	7	4	11
Highway Maintenance Workers	68	81	13	7	20
All Extraction Workers, Exc. Helpers	1	1	0	0	0
All Precision Textile & Apparel Workers	1	1	0	0	0
Welders & Cutters	1	1	0	0	0
Water & Liquid Waste Treatment System Opers.	4	5	1	0	1
Stationary Engineers	6	6	0	1	1
All Other Plant & System Operators	1	1	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	2	2	0	0	0
Bus Drivers	2	2	0	0	0
All Other Motor Vehicle Operators	57	61	4	4	8

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

APACHE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Industrial Truck & Tractor Operators	1	1	0	0	0
Operating Engineers	24	26	2	2	4
All Helpers & Laborers	65	71	6	7	13
TOTAL OF ALL OCCUPATIONS	3,041	3,308	267	362	629

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

COCHISE COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	206	229	23	20	43
Financial Managers	11	12	1	0	1
Personnel, Training, & Labor Relations Mgrs.	4	4	0	0	0
Purchasing Managers	4	4	0	0	0
Administrative Services Managers	5	5	0	0	0
Engineering, Mathematical & Natural Sciences Managers	15	16	1	2	3
Postmasters & Mail Superintendents	22	23	1	5	6
Education Administrators	7	7	0	0	0
Medicine & Health Services Managers	5	5	0	0	0
Property & Real Estate Managers & Admin.	2	2	0	0	0
Construction Managers	1	1	0	0	0
Transportation, Communications, & Utilities Operations Managers	13	13	0	0	0
Public Administration Executives, Legislators, & Administrators	49	58	9	6	15
General Managers & Top Executives	30	35	5	2	7
All Other Managers & Administrators	38	44	6	5	11
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	2,591	2,721	130	238	368
Loan Officers & Counselors	1	1	0	0	0
Accountants & Auditors	80	83	3	10	13
Budget Analysts	52	54	2	7	9
All Other Financial Specialists	2	2	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	83	87	4	10	14
Claims Takers, Unemployment Benefits	5	5	0	0	0
Employment Interviewers	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	76	80	4	7	11
Management Analysts	115	120	5	24	29
Construction & Building Inspectors	22	24	2	3	5
Compliance & Enforcement Inspectors, Exc. Const.	72	77	5	8	13
Tax Examiners, Collectors, & Revenue Agents	3	3	0	0	0
Assessors	12	14	2	3	5
All Other Management Support Workers	118	127	9	16	25
Civil Engineers, Incl. Traffic	9	10	1	0	1
Electrical & Electronic Engineers	268	280	12	15	27
Industrial Engineers, Exc. Safety	8	8	0	0	0
Safety Engineers, Exc. Mining	10	10	0	0	0
Mechanical Engineers	6	6	0	0	0
All Other Engineers	23	24	1	1	2
Architects, Exc. Landscape & Marine	1	1	0	0	0
Surveying & Mapping Scientists	1	1	0	0	0
Civil Engineering Technicians & Technologists	20	23	3	2	5
Electrical/Electronic Engineering Technicians	65	68	3	3	6
Industrial Engineering Techs.	3	3	0	0	0
Drafters	3	3	0	0	0
Surveying & Mapping Techs.	2	2	0	0	0
All Other Engineering & Related Technicians	73	76	3	7	10
Physicists & Astronomers	6	6	0	0	0
Atmospheric & Space Scientists	2	2	0	0	0
Foresters & Conservation Scientists	13	13	0	0	0
Agricultural & Food Scientists	7	7	0	1	1
Biological Scientists	6	6	0	0	0
Physical & Life Science Technicians & Technologists	3	3	0	0	0
Biological, Agri., & Food Techs., Exc. Health	4	4	0	0	0
All Other Physical & Life Science Techs.	4	4	0	0	0
Systems Analysts, Electronic Data Processing	250	261	11	10	21
Computer Programmers	3	3	0	0	0
Computer Programmer Aides	56	58	2	4	6
Operations & Systems Analysts, Exc. Computer	39	41	2	1	3
Statisticians	3	3	0	0	0
All Other Mathematical Scientists	4	4	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

COCHISE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Urban & Regional Planners	4	4	0	0	0
Psychologists	4	4	0	0	0
All Other Social Scientists	5	5	0	0	0
Social Workers, Medical & Psychiatric	1	1	0	0	0
Social Workers, Exc. Medical & Psychiatric	20	23	3	3	6
Social Service Technicians	20	22	2	1	3
Recreation Workers	48	52	4	5	9
Judges & Magistrates	18	21	3	5	8
Lawyers	21	24	3	1	4
Law Clerks	4	4	0	0	0
Paralegal Personnel	1	1	0	0	0
All Other Legal Assistants/Techs., Exc. Clerical	10	10	0	1	1
Teachers & Instructors, Voc. Ed. & Training	49	51	2	9	11
Instructors, Nonvocational Education	1	1	0	0	0
Librarians, Professional	35	37	2	7	9
Technical Assistants, Library	3	3	0	0	0
Curators, Archivists, & Museum Technicians	3	3	0	0	0
Vocational & Educational Counselors	3	3	0	0	0
Teacher Aides, Paraprofessional	18	19	1	2	3
Physicians & Surgeons	9	9	0	0	0
Dentists	1	1	0	0	0
Optometrists	1	1	0	0	0
Veterinarians & Veterinary Inspectors	1	1	0	0	0
Registered Nurses	32	34	2	5	7
Licensed Practical Nurses	17	17	0	3	3
Emergency Medical Technicians	13	15	2	2	4
Physician Assistants	1	1	0	0	0
Pharmacists	2	2	0	0	0
Dietitians & Nutritionists	11	13	2	2	4
Medical & Clinical Laboratory Technologists	5	5	0	0	0
Medical Records Technicians & Technologists	2	2	0	0	0
Radiologic Technicians	2	2	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	14	15	1	2	3
Writers & Editors	44	46	2	7	9
Photographers	10	10	0	1	1
Broadcast Technicians	2	2	0	0	0
Artists & Related Workers	3	3	0	0	0
Athletes, Coaches, Umpires, & Related Workers	3	3	0	0	0
Airplane Dispatchers & Air Traffic Controllers	24	25	1	1	2
Traffic Technicians	4	4	0	0	0
Radio Operators	2	2	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	586	612	26	49	75
SALES & RELATED OCCUPATIONS	39	40	1	4	5
First Line Supervisors & Managers - Sales	4	4	0	0	0
Appraisers, Real Estate	1	1	0	0	0
Salespersons, Retail	20	21	1	2	3
Cashiers	12	12	0	2	2
All Other Sales & Related Workers	2	2	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	1,779	1,897	118	290	408
First Line Supers.-Clerical & Admin. Support	94	100	6	11	17
Insurance Claims Clerks	5	5	0	1	1
Welfare Eligibility Workers & Interviewers	28	33	5	4	9
Court Clerks	29	34	5	6	11
Municipal Clerks	14	16	2	1	3
License Clerks	21	24	3	4	7
Travel Clerks	2	2	0	0	0
Library Assistants & Bookmobile Drivers	17	20	3	1	4
Real Estate Clerks	1	1	0	0	0
Secretaries	311	333	22	70	92

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

COCHISE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Stenographers	11	11	0	1	1
Receptionists & Information Clerks	6	6	0	1	1
Typists	347	368	21	88	109
Personnel Clerks, Exc. Payroll & Timekeeping	55	57	2	14	16
Order Clerks - Materials, Merch., & Service	1	1	0	0	0
Procurement Clerks	25	26	1	2	3
Statistical Clerks	2	2	0	0	0
Interviewing Clerks, Exc. Personnel & Welfare	28	29	1	4	5
Bookkeeping, Accounting, & Auditing Clerks	139	150	11	26	37
Payroll & Timekeeping Clerks	29	30	1	4	5
General Office Clerks	42	48	6	8	14
Computer Operators, Exc. Peripheral Equipment	28	30	2	2	4
Peripheral EDP Equipment Operators	1	1	0	0	0
Data Entry Keyers, Exc. Composing	26	27	1	1	2
All Other Office Machine Operators	5	5	0	0	0
Switchboard Operators	14	14	0	2	2
All Other Communication Equipment Operators	6	6	0	1	1
Mail Clerks, Exc. Mail Machine Operators & Postal Service	45	47	2	7	9
Postal Mail Carriers	51	53	2	4	6
Postal Service Clerks	11	11	0	1	1
Dispatchers - Police, Fire, & Ambulance	40	47	7	4	11
Dispatchers - Exc. Police, Fire, & Ambulance	3	3	0	0	0
Production, Planning, & Expediting Clerks	4	4	0	0	0
Meter Readers, Utilities	2	2	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	113	118	5	12	17
Traffic, Shipping, & Receiving Clerks	48	50	2	5	7
All Other Material Recording/Scheduling/Dist.	2	2	0	0	0
All Other Clerical & Administrative Support	173	181	8	5	13
SERVICE OCCUPATIONS	773	872	99	73	172
Fire Fighting & Prevention Supervisors	15	17	2	0	2
Police & Detective Supervisors	57	64	7	2	9
All Other Service Supervisors & Managers	34	39	5	6	11
Fire Inspectors	1	1	0	0	0
Fire Fighters	135	155	20	7	27
Police Detectives	22	24	2	0	2
Police Patrol Officers	122	140	18	6	24
Correction Officers & Jailers	113	134	21	25	46
Bailiffs	3	3	0	0	0
Criminal Investigators, Federal	1	1	0	0	0
Sheriffs & Deputy Sheriffs	38	45	7	3	10
Game Wardens	2	2	0	0	0
Guards & Watch Guards	60	62	2	3	5
Bakers, Bread & Pastry	1	1	0	0	0
Butchers & Meat Cutters	11	11	0	1	1
Cooks, Institution or Cafeteria	5	5	0	0	0
Food Preparation Workers	2	2	0	0	0
Combined Food Preparation & Service Workers	9	9	0	1	1
All Other Food Service Workers	3	3	0	0	0
Dental Assistants	21	22	1	5	6
Medical Assistants	3	3	0	0	0
Nursing Aides, Orderlies, & Attendants	4	4	0	0	0
Home Health Aides	2	2	0	0	0
Pharmacy Assistants	2	2	0	0	0
All Other Health Service Workers	10	10	0	0	0
Cleaning & Building Service Occup., Exc. Private Households	19	22	3	3	6
Janitors & Cleaners, Exc. Maids & Housekeeping	18	19	1	3	4
Pest Controllers & Assistants	3	3	0	0	0
Amusement & Recreation Attendants	42	50	8	6	14
Social Welfare Service Aides	15	17	2	2	4

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

COCHISE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	59	64	5	5	10
First Line Supervisors - Agri., Forestry, & Rel.	4	4	0	0	0
Forest & Conservation Workers	23	24	1	1	2
Gardeners & Groundskeepers, Exc. Farm	21	24	3	3	6
Animal Caretakers, Exc. Farm	10	11	1	1	2
All Other Agri., Forestry, Fishing, & Related	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	692	743	51	42	93
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	43	47	4	4	8
First Line Managers/Supervisors - Construction Trades & Extraction Workers	7	7	0	0	0
First Line Mgrs./Supers. - Production & Opers.	4	4	0	0	0
First Line Mgrs./Supers. - Transport. Operatives	6	6	0	1	1
First Line Mgrs./Supers. - Laborers & Helpers	5	5	0	1	1
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	19	22	3	3	6
Production Inspectors, Testers, & Graders	4	4	0	0	0
All Machinery Maintenance Mechanics	17	18	1	0	1
Maintenance Repairers, General Utility	46	51	5	3	8
Automotive Mechanics	12	13	1	0	1
Bus & Truck Mechs., & Diesel Eng. Specialists	2	2	0	0	0
Mobile Heavy Equip. Mechanics, Exc. Engines	21	22	1	0	1
Central Office & PBX Installers & Repairers	12	12	0	0	0
Telephone & Cable TV Line Installers/Repairers	2	2	0	0	0
Electric Home Appliance & Power Tool Repairers	1	1	0	0	0
Electric Motor, Transformer, & Rel. Repairers	2	2	0	0	0
Electronics Repairers, Commercial & Ind. Equip.	40	42	2	2	4
Electrical Powerline Installers & Repairers	10	10	0	0	0
All Other Electrical Mechs./Installers/Repairers	5	5	0	0	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	17	18	1	1	2
Precision Instrument Repairers	1	1	0	0	0
Electromedical & Biomedical Equip. Repairers	3	3	0	0	0
Locksmiths & Safe Repairers	3	3	0	0	0
Office Machine & Cash Register Servicers	1	1	0	0	0
Mechanical Control & Valve Installers & Repairers	8	8	0	0	0
Riggers	1	1	0	0	0
All Other Mechanics, Installers, & Repairers	11	11	0	0	0
Carpenters	30	31	1	3	4
Electricians	16	16	0	1	1
Stone Masons	1	1	0	0	0
Painters & Paperhangers - Construction & Maintenance	6	6	0	0	0
Plumbers, Pipefitters, & Steamfitters	21	22	1	2	3
Paving, Surfacing, & Tamping Equip. Opers.	22	26	4	2	6
Highway Maintenance Workers	67	79	12	7	19
Roofers	2	2	0	0	0
Glaziers	1	1	0	0	0
All Other Construction & Extraction Workers, Exc. Helpers	2	2	0	0	0
Machinists	1	1	0	0	0
Sheet Metal Workers	4	4	0	0	0
All Precision Textile & Apparel Workers	1	1	0	0	0
Precision Lithography & Photoengraving Workers	2	2	0	0	0
Precision Pattern/Model Makers	9	9	0	1	1
Precision Detail Design Decorators & Painters	2	2	0	0	0
Precision Dental Laboratory Technicians	1	1	0	0	0
All Other Metal & Plastic Machine Operators	1	1	0	0	0
Photoengraving & Lithographing Photographers	1	1	0	0	0
Printing Press Machine Operators & Tenders	13	13	0	1	1
Bindery Machine Operators	2	2	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

COCHISE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Other Machine Operators & Tenders	1	1	0	0	0
Welders & Cutters	1	1	0	0	0
Water & Liquid Waste Treatment System Opers.	15	16	1	0	1
Truck Drivers, Heavy or Tractor Trailer	7	8	1	0	1
Truck Drivers, Light - Incl. Delivery & Route	4	4	0	0	0
All Other Motor Vehicle Operators	19	20	1	1	2
Aircraft Pilots & Flight Engineers	2	2	0	0	0
Service Station Attendants	4	4	0	0	0
All Other Transportation & Related Workers	4	4	0	0	0
Industrial Truck & Tractor Operators	3	3	0	0	0
Operating Engineers	36	41	5	2	7
All Other Material Moving Equipment Operators	1	1	0	0	0
Refuse Collectors	22	26	4	1	5
All Other Helpers & Laborers	65	68	3	6	9
TOTAL OF ALL OCCUPATIONS	6,139	6,566	427	672	1,099

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

COCONINO COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	195	216	21	19	40
Personnel, Training, & Labor Relations Mgrs.	5	5	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	3	3	0	0	0
Administrative Services Managers	9	10	1	0	1
Engineering, Mathematical & Natural Sciences Managers	22	23	1	3	4
Postmasters & Mail Superintendents	10	10	0	2	2
Education Administrators	3	3	0	0	0
Medicine & Health Services Managers	9	9	0	0	0
Construction Managers	2	2	0	0	0
Transportation, Communications, & Utilities Operations Managers	6	6	0	0	0
Public Administration Executives, Legislators, & Administrators	58	69	11	7	18
General Managers & Top Executives	14	14	0	0	0
All Other Managers & Administrators	54	62	8	7	15
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,720	1,830	110	167	277
Accountants & Auditors	21	24	3	2	5
Budget Analysts	6	6	0	0	0
All Other Financial Specialists	1	1	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	24	25	1	2	3
Claims Takers, Unemployment Benefits	20	23	3	2	5
Employment Interviewers	6	7	1	0	1
Personnel, Training, & Labor Rel. Specialists	16	17	1	0	1
Management Analysts	1	1	0	0	0
Construction & Building Inspectors	22	25	3	2	5
Compliance & Enforcement Inspectors, Exc. Const.	33	38	5	3	8
Tax Examiners, Collectors, & Revenue Agents	7	7	0	0	0
Assessors	8	9	1	2	3
All Other Management Support Workers	24	27	3	3	6
Civil Engineers, Incl. Traffic	37	40	3	4	7
Agricultural Engineers	3	3	0	0	0
Electrical & Electronic Engineers	3	3	0	0	0
Safety Engineers, Exc. Mining	1	1	0	0	0
Mechanical Engineers	2	2	0	0	0
Landscape Architects	3	3	0	0	0
Surveying & Mapping Scientists	18	19	1	0	1
Civil Engineering Technicians & Technologists	11	12	1	0	1
Electrical/Electronic Engineering Technicians	38	43	5	1	6
Drafters	4	4	0	0	0
Surveying & Mapping Techs.	65	74	9	4	13
All Other Engineering & Related Technicians	53	55	2	5	7
Physicists & Astronomers	10	10	0	0	0
Chemists, Exc. Biochemists	2	2	0	0	0
Geologists, Geophysicists, & Oceanographers	45	48	3	2	5
All Other Physical Scientists	3	3	0	0	0
Foresters & Conservation Scientists	94	98	4	6	10
Agricultural & Food Scientists	12	12	0	1	1
Biological Scientists	17	18	1	1	2
All Other Life Scientists	3	3	0	0	0
Physical & Life Science Tech. & Technologists	1	1	0	0	0
Biological, Agri., & Food Techs., Exc. Health	8	8	0	0	0
All Other Physical & Life Science Techs.	29	30	1	3	4
Systems Analysts, Electronic Data Processing	15	15	0	0	0
Computer Programmers	6	6	0	0	0
Computer Programmer Aides	10	10	0	0	0
Operations & Systems Analysts, Exc. Computer	1	1	0	0	0
All Mathematical Scientists	2	2	0	0	0
Economists, Incl. Market Research Analysts	1	1	0	0	0
Urban & Regional Planners	5	5	0	0	0
Psychologists	1	1	0	0	0
All Other Social Scientists	7	7	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

COCONINO COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Social Workers, Exc. Medical & Psychiatric	15	17	2	2	4
Social Service Technicians	21	25	4	1	5
Recreation Workers	56	62	6	7	13
Judges & Magistrates	3	3	0	0	0
Lawyers	4	4	0	0	0
Law Clerks	3	3	0	0	0
Paralegal Personnel	1	1	0	0	0
Teachers & Instructors, Voc. Ed. & Training	200	209	9	39	48
Instructors, Nonvocational Education	1	1	0	0	0
Librarians, Professional	16	17	1	3	4
Curators, Archivists, & Museum Technicians	2	2	0	0	0
Vocational & Educational Counselors	11	12	1	1	2
Instructional Coordinators	3	3	0	0	0
Teacher Aides, Paraprofessional	323	338	15	24	39
Physicians & Surgeons	3	3	0	0	0
Speech Pathologists & Audiologists	2	2	0	0	0
Registered Nurses	82	88	6	15	21
Licensed Practical Nurses	33	35	2	7	9
Emergency Medical Technicians	40	46	6	8	14
Physician Assistants	5	5	0	1	1
Pharmacists	1	1	0	0	0
Dietitians & Nutritionists	1	1	0	0	0
Medical & Clinical Laboratory Technologists	13	13	0	2	2
Medical Records Technicians & Technologists	12	12	0	3	3
Radiologic Technicians	6	6	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	4	4	0	0	0
Writers & Editors	2	2	0	0	0
Photographers	4	4	0	0	0
Artists & Related Workers	2	2	0	0	0
Airplane Dispatchers & Air Traffic Controllers	5	5	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	147	154	7	11	18
SALES & RELATED OCCUPATIONS	10	10	0	0	0
First Line Supervisors & Managers - Sales	1	1	0	0	0
Appraisers, Real Estate	4	4	0	0	0
Cashiers	5	5	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	976	1,066	90	150	240
First Line Supers.-Clerical & Admin. Support	38	42	4	4	8
Insurance Claims Clerks	5	5	0	1	1
Welfare Eligibility Workers & Interviewers	25	29	4	4	8
Court Clerks	21	25	4	4	8
Municipal Clerks	2	2	0	0	0
License Clerks	18	21	3	3	6
Library Assistants & Bookmobile Drivers	35	41	6	4	10
Real Estate Clerks	3	3	0	0	0
Secretaries	112	126	14	25	39
Stenographers	7	8	1	1	2
Receptionists & Information Clerks	130	137	7	27	34
Typists	128	141	13	32	45
Personnel Clerks, Exc. Payroll & Timekeeping	15	15	0	3	3
File Clerks	5	5	0	1	1
Procurement Clerks	6	6	0	0	0
Statistical Clerks	1	1	0	0	0
Interviewing Clerks, Exc. Personnel & Welfare	21	22	1	3	4
Customer Service Representatives, Utilities	3	3	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	57	64	7	10	17
Payroll & Timekeeping Clerks	11	11	0	2	2
General Office Clerks	38	44	6	7	13
Billing, Posting, & Calculating Machine Opers.	1	1	0	0	0
Computer Operators, Exc. Peripheral Equipment	5	5	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

COCONINO COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Peripheral EDP Equipment Operators	4	4	0	0	0
Data Entry Keyers, Exc. Composing	11	12	1	0	1
All Other Office Machine Operators	1	1	0	0	0
Switchboard Operators	8	8	0	0	0
Mail Clerks, Exc. Mail Machine Operators & Postal Service	4	4	0	0	0
Postal Mail Carriers	44	46	2	3	5
Postal Service Clerks	6	6	0	0	0
Messengers	1	1	0	0	0
Dispatchers - Police, Fire, & Ambulance	45	53	8	4	12
Dispatchers - Exc. Police, Fire, & Ambulance	1	1	0	0	0
Production, Planning, & Expediting Clerks	32	34	2	6	8
Meter Readers, Utilities	4	4	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	19	19	0	1	1
Traffic, Shipping, & Receiving Clerks	35	37	2	3	5
All Other Material Recording/Scheduling/Dist.	12	13	1	1	2
All Other Clerical & Administrative Support	62	66	4	1	5
SERVICE OCCUPATIONS	695	781	86	62	148
Fire Fighting & Prevention Supervisors	14	16	2	0	2
Police & Detective Supervisors	25	28	3	0	3
All Other Service Supervisors & Managers	43	48	5	7	12
Fire Fighters	134	158	24	7	31
Police Detectives	9	10	1	0	1
Police Patrol Officers	106	125	19	5	24
Correction Officers & Jailers	6	7	1	1	2
Parking Enforcement Officers	1	1	0	0	0
Bailiffs	3	3	0	0	0
Criminal Investigators, Federal	3	3	0	0	0
Sheriffs & Deputy Sheriffs	51	60	9	4	13
Game Wardens	14	16	2	1	3
Guards & Watch Guards	40	44	4	1	5
All Other Protective Service Workers	7	7	0	0	0
Cooks, Institution or Cafeteria	39	41	2	5	7
Food Preparation Workers	2	2	0	0	0
Combined Food Preparation & Service Workers	37	39	2	6	8
Dental Assistants	11	11	0	3	3
Nursing Aides, Orderlies, & Attendants	28	29	1	5	6
Home Health Aides	11	13	2	1	3
Physical & Corrective Therapy Assists./Aides	2	2	0	0	0
Pharmacy Assistants	6	6	0	1	1
All Other Health Service Workers	8	8	0	0	0
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	12	14	2	2	4
Janitors & Cleaners, Exc. Maids & Housekeeping	49	51	2	8	10
Amusement & Recreation Attendants	1	1	0	0	0
Social Welfare Service Aides	31	36	5	5	10
All Other Service Workers	2	2	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	264	279	15	20	35
First Line Supervisors - Agri., Forestry, & Rel.	33	35	2	3	5
Forest & Conservation Workers	193	202	9	13	22
Gardeners & Groundskeepers, Exc. Farm	18	21	3	3	6
Animal Caretakers, Exc. Farm	1	1	0	0	0
All Other Agri., Forestry, Fishing, & Related	19	20	1	1	2
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	849	936	87	62	149
First Line Managers/Supervisors - Mechanics/Installers/Repairers	42	47	5	5	10
First Line Managers/Supervisors - Construction Trades & Extraction Workers	13	15	2	0	2
First Line Mgrs./Supers. - Transport. Operatives	8	8	0	1	1
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	13	13	0	2	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

COCONINO COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Machinery Maintenance Mechanics, Water & Power Generation Plants	40	46	6	3	9
All Other Machinery Maintenance Mechanics	18	19	1	0	1
Machinery Maintenance Workers	2	2	0	0	0
Maintenance Repairers, General Utility	97	104	7	8	15
Automotive Mechanics	16	18	2	1	3
Bus & Truck Mechs., & Diesel Eng. Specialists	2	2	0	0	0
Mobile Heavy Equip. Mechanics, Exc. Engines	7	7	0	0	0
Electric Motor, Transformer, & Rel. Repairers	1	1	0	0	0
Powerhouse, Substation, & Relay Electricians	1	1	0	0	0
Electrical Powerline Installers & Repairers	4	4	0	0	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	3	3	0	0	0
Electromedical & Biomedical Equip. Repairers	1	1	0	0	0
Mechanical Control & Valve Installers & Repairers	4	4	0	0	0
All Other Mechanics, Installers, & Repairers	12	12	0	0	0
Carpenters	9	9	0	0	0
Electricians	7	7	0	0	0
Painters & Paperhangers - Construction & Maintenance	11	11	0	1	1
Plumbers, Pipefitters, & Steamfitters	6	6	0	0	0
Highway Maintenance Workers	105	124	19	11	30
Machinists	1	1	0	0	0
All Other Precision Textile & Apparel Workers	1	1	0	0	0
Precision Detail Design Decorators & Painters	1	1	0	0	0
Machine Setters, Set-Up Operators, Operators, & Tenders	1	1	0	0	0
Hand Working, Inc. Assemblers & Fabricators	1	1	0	0	0
Welders & Cutters	1	1	0	0	0
Water & Liquid Waste Treatment System Opers.	39	44	5	1	6
Power Distributors & Dispatchers	10	10	0	0	0
Stationary Engineers	1	1	0	0	0
All Other Plant & System Operators	4	4	0	0	0
All Motor Vehicle Operators	53	55	2	3	5
Aircraft Pilots & Flight Engineers	1	1	0	0	0
Service Station Attendants	1	1	0	0	0
All Other Transportation & Related Workers	9	9	0	0	0
Industrial Truck & Tractor Operators	2	2	0	0	0
Operating Engineers	87	98	11	7	18
Refuse Collectors	49	58	9	2	11
All Other Helpers & Laborers	165	183	18	17	35
TOTAL OF ALL OCCUPATIONS	4,709	5,118	409	480	889

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

GILA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	53	56	3	4	7
Financial Managers	1	1	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	1	1	0	0	0
Administrative Services Managers	2	2	0	0	0
Engineering, Mathematical & Natural Sciences Managers	5	5	0	0	0
Postmasters & Mail Superintendents	14	14	0	3	3
Medicine & Health Services Managers	1	1	0	0	0
Construction Managers	1	1	0	0	0
Transportation, Communications, & Utilities Operations Managers	3	3	0	0	0
Public Administration Executives, Legislators, & Administrators	16	19	3	1	4
General Managers & Top Executives	4	4	0	0	0
All Other Managers & Administrators	5	5	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	254	272	18	19	37
Accountants & Auditors	8	9	1	1	2
Purchasing Agents, Exc. Wholesale, Retail, & Farm	1	1	0	0	0
Claims Takers, Unemployment Benefits	4	4	0	0	0
Employment Interviewers	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	3	3	0	0	0
Construction & Building Inspectors	3	3	0	0	0
Compliance & Enforcement Inspectors, Exc. Const.	13	15	2	1	3
Tax Examiners, Collectors, & Revenue Agents	3	3	0	0	0
Assessors	11	13	2	3	5
All Other Management Support Workers	4	4	0	0	0
Civil Engineers, Incl. Traffic	10	10	0	0	0
Civil Engineering Technicians & Technologists	9	9	0	0	0
Electrical/Electronic Engineering Technicians	1	1	0	0	0
Surveying & Mapping Techs.	17	19	2	0	2
All Other Engineering & Related Technicians	7	7	0	0	0
Foresters & Conservation Scientists	23	24	1	1	2
Biological Scientists	2	2	0	0	0
Psychologists	1	1	0	0	0
All Other Social Scientists	1	1	0	0	0
Social Workers, Medical & Psychiatric	1	1	0	0	0
Social Workers, Exc. Medical & Psychiatric	12	13	1	1	2
Social Service Technicians	18	20	2	0	2
Recreation Workers	2	2	0	0	0
Judges & Magistrates	24	28	4	6	10
Lawyers	15	17	2	1	3
All Other Legal Assistants/Techs., Exc. Clerical	1	1	0	0	0
Teachers & Instructors, Voc. Ed. & Training	3	3	0	0	0
Librarians, Professional	1	1	0	0	0
Teacher Aides, Paraprofessional	1	1	0	0	0
Physicians & Surgeons	5	5	0	0	0
Registered Nurses	23	24	1	3	4
Licensed Practical Nurses	6	6	0	1	1
Physician Assistants	2	2	0	0	0
Medical & Clinical Laboratory Technologists	6	6	0	1	1
Medical Records Technicians & Technologists	1	1	0	0	0
Radiologic Technicians	1	1	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	9	9	0	0	0
SALES & RELATED OCCUPATIONS	2	2	0	0	0
Appraisers, Real Estate	1	1	0	0	0
All Other Sales & Related Workers	1	1	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

GILA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	317	349	32	45	77
First Line Supers.-Clerical & Admin. Support	7	7	0	0	0
Insurance Claims Clerks	1	1	0	0	0
Welfare Eligibility Workers & Interviewers	15	17	2	2	4
Court Clerks	14	16	2	3	5
Municipal Clerks	3	3	0	0	0
License Clerks	2	2	0	0	0
Real Estate Clerks	2	2	0	0	0
Secretaries	48	54	6	10	16
Stenographers	6	7	1	1	2
Receptionists & Information Clerks	2	2	0	0	0
Typists	57	64	7	13	20
File Clerks	6	7	1	1	2
Interviewing Clerks, Exc. Personnel & Welfare	7	7	0	1	1
Bookkeeping, Accounting, & Auditing Clerks	22	26	4	4	8
Payroll & Timekeeping Clerks	3	3	0	0	0
Billing, Cost & Rate Clerks	5	5	0	1	1
General Office Clerks	16	18	2	2	4
Computer Operators, Exc. Peripheral Equipment	3	3	0	0	0
Switchboard Operators	2	2	0	0	0
Postal Mail Carriers	14	14	0	1	1
Postal Service Clerks	4	4	0	0	0
Dispatchers - Police, Fire, & Ambulance	29	34	5	3	8
Production, Planning, & Expediting Clerks	1	1	0	0	0
Meter Readers, Utilities	3	3	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	5	5	0	0	0
Traffic, Shipping, & Receiving Clerks	34	36	2	3	5
All Other Clerical & Administrative Support	6	6	0	0	0
SERVICE OCCUPATIONS	170	191	21	10	31
Fire Fighting & Prevention Supervisors	1	1	0	0	0
Police & Detective Supervisors	16	18	2	0	2
All Other Service Supervisors & Managers	4	4	0	0	0
Fire Fighters	12	14	2	0	2
Police Detectives	2	2	0	0	0
Police Patrol Officers	47	55	8	2	10
Correction Officers & Jailers	5	5	0	1	1
Bailiffs	2	2	0	0	0
Sheriffs & Deputy Sheriffs	39	46	7	3	10
Game Wardens	2	2	0	0	0
Guards & Watch Guards	3	3	0	0	0
All Other Protective Service Workers	1	1	0	0	0
Cooks, Institution or Cafeteria	4	4	0	0	0
Dental Assistants	4	4	0	1	1
Nursing Aides, Orderlies, & Attendants	6	6	0	1	1
All Other Health Service Workers	1	1	0	0	0
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	2	2	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	3	3	0	0	0
Social Welfare Service Aides	16	18	2	2	4
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	79	82	3	4	7
First Line Supervisors - Agri., Forestry, & Rel.	15	16	1	1	2
Forest & Conservation Workers	53	55	2	3	5
Gardeners & Groundskeepers, Exc. Farm	1	1	0	0	0
Animal Caretakers, Exc. Farm	4	4	0	0	0
All Other Agri., Forestry, Fishing, & Related	6	6	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	234	264	30	15	45
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	8	8	0	0	0
First Line Managers/Supervisors - Construction Trades & Extraction Workers	14	16	2	1	3
First Line Mgrs./Supers. - Laborers & Helpers	1	1	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

GILA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Machinery Maintenance Mechanics	6	7	1	0	1
Maintenance Repairers, General Utility	12	12	0	0	0
Automotive Mechanics	6	6	0	0	0
Mobile Heavy Equip. Mechanics, Exc. Engines	4	4	0	0	0
All Other Electrical Mechs./Installers/Repairers	1	1	0	0	0
Mechanical Control & Valve Installers & Repairers	1	1	0	0	0
All Other Mechanics, Installers, & Repairers	3	3	0	0	0
Highway Maintenance Workers	92	109	17	10	27
Water & Liquid Waste Treatment System Opers.	14	16	2	0	2
Power Distributors & Dispatchers	1	1	0	0	0
Truck Drivers, Heavy or Tractor Trailer	7	8	1	0	1
All Other Motor Vehicle Operators	1	1	0	0	0
Operating Engineers	48	55	7	3	10
All Helpers & Laborers	15	15	0	1	1
TOTAL OF ALL OCCUPATIONS	1,109	1,216	107	97	204

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

GRAHAM COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	82	92	10	7	17
Financial Managers	6	7	1	0	1
Administrative Services Managers	1	1	0	0	0
Engineering, Mathematical & Natural Sciences Managers	1	1	0	0	0
Postmasters & Mail Superintendents	8	8	0	1	1
Education Administrators	9	10	1	1	2
Medicine & Health Services Managers	1	1	0	0	0
Construction Managers	1	1	0	0	0
Public Administration Executives, Legislators, & Administrators	28	33	5	3	8
General Managers & Top Executives	17	19	2	1	3
All Other Managers & Administrators	10	11	1	1	2
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	240	259	19	17	36
Loan Officers & Counselors	1	1	0	0	0
All Other Financial Specialists	1	1	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	2	2	0	0	0
Personnel, Training, & Labor Rel. Specialists	2	2	0	0	0
Construction & Building Inspectors	11	12	1	1	2
Compliance & Enforcement Inspectors, Exc. Const.	9	10	1	1	2
Assessors	4	4	0	1	1
All Other Management Support Workers	7	8	1	0	1
Mining Engineers, Incl. Mine Safety	1	1	0	0	0
Civil Engineers, Incl. Traffic	3	3	0	0	0
Safety Engineers, Exc. Mining	1	1	0	0	0
Surveying & Mapping Scientists	1	1	0	0	0
Civil Engineering Technicians & Technologists	21	24	3	2	5
Electrical/Electronic Engineering Technicians	2	2	0	0	0
Surveying & Mapping Techs.	5	5	0	0	0
All Other Engineering & Related Technicians	2	2	0	0	0
Geologists, Geophysicists, & Oceanographers	3	3	0	0	0
Foresters & Conservation Scientists	15	16	1	1	2
Agricultural & Food Scientists	2	2	0	0	0
Biological Scientists	9	9	0	1	1
Biological, Agri., & Food Techs., Exc. Health	1	1	0	0	0
All Other Physical & Life Science Techs.	4	4	0	0	0
Systems Analysts, Electronic Data Processing	1	1	0	0	0
Computer Programmers	5	5	0	0	0
All Social Scientists	3	3	0	0	0
Social Service Technicians	29	34	5	2	7
Recreation Workers	23	26	3	2	5
Clergy	1	1	0	0	0
Judges & Magistrates	14	16	2	4	6
Adjudicators, Hearing Officers, & Related	3	3	0	0	0
Lawyers	8	9	1	0	1
All Legal Assistants/Techs., Exc. Clerical	9	9	0	1	1
Teachers & Instructors, Voc. Ed. & Training	3	3	0	0	0
Librarians, Professional	3	3	0	0	0
Vocational & Educational Counselors	1	1	0	0	0
Physicians & Surgeons	1	1	0	0	0
Registered Nurses	1	1	0	0	0
Physician Assistants	4	4	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	1	1	0	0	0
Writers & Editors	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	22	23	1	1	2
SALES & RELATED OCCUPATIONS	5	5	0	0	0
Appraisers, Real Estate	5	5	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

GRAHAM COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	222	243	21	21	42
First Line Supers.-Clerical & Admin. Support	12	13	1	1	2
Insurance Claims Clerks	1	1	0	0	0
Welfare Eligibility Workers & Interviewers	2	2	0	0	0
Court Clerks	6	7	1	1	2
Municipal Clerks	8	9	1	1	2
License Clerks	13	14	1	2	3
Library Assistants & Bookmobile Drivers	6	7	1	0	1
Real Estate Clerks	2	2	0	0	0
Secretaries	38	44	6	7	13
Stenographers	8	9	1	1	2
Receptionists & Information Clerks	4	4	0	0	0
Typists	9	9	0	1	1
Typists, Word Processing Equipment	1	1	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	2	2	0	0	0
General Office Clerks	29	32	3	4	7
Data Entry Keyers, Exc. Composing	12	13	1	1	2
Mail Clerks, Exc. Mail Machine Operators &	8	9	1	0	1
Postal Service	2	2	0	0	0
Postal Mail Carriers	6	6	0	0	0
Postal Service Clerks	1	1	0	0	0
Dispatchers - Police, Fire, & Ambulance	11	13	2	1	3
Meter Readers, Utilities	3	3	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	13	14	1	0	1
Traffic, Shipping, & Receiving Clerks	17	18	1	1	2
All Other Clerical & Administrative Support	8	8	0	0	0
SERVICE OCCUPATIONS	288	333	45	44	89
Police & Detective Supervisors	13	14	1	0	1
All Other Service Supervisors & Managers	42	49	7	8	15
Police Detectives	9	10	1	0	1
Police Patrol Officers	32	37	5	1	6
Correction Officers & Jailers	143	168	25	32	57
Bailiffs	6	7	1	0	1
Sheriffs & Deputy Sheriffs	20	23	3	1	4
Game Wardens	3	3	0	0	0
Cooks, Institution or Cafeteria	3	3	0	0	0
Medical Assistants	6	7	1	1	2
Social Welfare Service Aides	8	9	1	1	2
Child Care Workers	3	3	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	22	22	0	0	0
First Line Supervisors - Agri., Forestry, & Rel.	2	2	0	0	0
Forest & Conservation Workers	11	11	0	0	0
Gardeners & Groundskeepers, Exc. Farm	3	3	0	0	0
Animal Caretakers, Exc. Farm	2	2	0	0	0
All Other Agri., Forestry, Fishing, & Related	4	4	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	118	128	10	4	14
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	20	21	1	1	2
First Line Managers/Supervisors - Construction Trades & Extraction Workers	2	2	0	0	0
First Line Mgrs./Supers. - Production & Opers.	2	2	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	1	1	0	0	0
All Machinery Maintenance Mechanics	7	8	1	0	1
Maintenance Repairers, General Utility	8	8	0	0	0
Automotive Mechanics	13	15	2	1	3
Mobile Heavy Equip. Mechanics, Exc. Engines	2	2	0	0	0
All Other Mechanics, Installers, & Repairers	2	2	0	0	0
Paving, Surfacing, & Tamping Equip. Opers.	14	16	2	1	3
Highway Maintenance Workers	15	16	1	1	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

GRAHAM COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Other Construction & Extraction Workers, Exc. Helpers	2	2	0	0	0
All Precision Textile & Apparel Workers	1	1	0	0	0
Laundry/Drycleaning Mach. Opers., Exc. Pressing	1	1	0	0	0
Water & Liquid Waste Treatment System Opers.	6	7	1	0	1
Truck Drivers, Heavy or Tractor Trailer	6	7	1	0	1
Operating Engineers	6	6	0	0	0
Refuse Collectors	6	7	1	0	1
All Other Helpers & Laborers	4	4	0	0	0
TOTAL OF ALL OCCUPATIONS	977	1,082	105	93	198

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

GREENLEE COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	28	30	2	0	2
Financial Managers	3	3	0	0	0
Engineering, Mathematical & Natural Sciences Managers	1	1	0	0	0
Postmasters & Mail Superintendents	4	4	0	0	0
Education Administrators	3	3	0	0	0
Medicine & Health Services Managers	2	2	0	0	0
Public Administration Executives, Legislators, & Administrators	6	7	1	0	1
General Managers & Top Executives	2	2	0	0	0
All Other Managers & Administrators	7	8	1	0	1
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	35	36	1	2	3
Tax Examiners, Collectors, & Revenue Agents	1	1	0	0	0
Assessors	2	2	0	0	0
All Other Management Support Workers	1	1	0	0	0
Drafters	1	1	0	0	0
Surveying & Mapping Techs.	1	1	0	0	0
Foresters & Conservation Scientists	3	3	0	0	0
Computer Programmers	2	2	0	0	0
Urban & Regional Planners	1	1	0	0	0
Social Workers, Medical & Psychiatric	1	1	0	0	0
Social Service Technicians	6	6	0	0	0
Judges & Magistrates	7	8	1	2	3
Lawyers	3	3	0	0	0
Registered Nurses	3	3	0	0	0
Licensed Practical Nurses	1	1	0	0	0
Dietitians & Nutritionists	2	2	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	50	52	2	2	4
Welfare Eligibility Workers & Interviewers	6	6	0	0	0
Court Clerks	3	3	0	0	0
Municipal Clerks	1	1	0	0	0
License Clerks	1	1	0	0	0
Secretaries	4	4	0	0	0
Receptionists & Information Clerks	2	2	0	0	0
Typists	8	9	1	1	2
General Office Clerks	6	6	0	0	0
Postal Mail Carriers	2	2	0	0	0
Dispatchers - Police, Fire, & Ambulance	6	7	1	0	1
Order Fillers, Wholesale & Retail Sales	9	9	0	1	1
All Other Clerical & Administrative Support	2	2	0	0	0
SERVICE OCCUPATIONS	53	58	5	1	6
Police & Detective Supervisors	7	7	0	0	0
Police Detectives	3	3	0	0	0
Police Patrol Officers	13	15	2	0	2
Correction Officers & Jailers	5	5	0	0	0
Sheriffs & Deputy Sheriffs	17	20	3	1	4
All Other Protective Service Workers	1	1	0	0	0
Home Health Aides	3	3	0	0	0
All Other Health Service Workers	1	1	0	0	0
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	3	3	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	5	5	0	0	0
First Line Supervisors - Agri., Forestry, & Rel.	1	1	0	0	0
Forest & Conservation Workers	3	3	0	0	0
Animal Caretakers, Exc. Farm	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	36	39	3	2	5
First Line Managers/Supervisors - Mechanics/Installers/Repairers	2	2	0	0	0
Maintenance Repairers, General Utility	2	2	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

GREENLEE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Automotive Mechanics	1	1	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	1	1	0	0	0
Mobile Heavy Equip. Mechanics, Exc. Engines	1	1	0	0	0
Paving, Surfacing, & Tamping Equip. Opers.	9	10	1	1	2
Highway Maintenance Workers	11	13	2	1	3
Water & Liquid Waste Treatment System Opers.	1	1	0	0	0
Truck Drivers, Heavy or Tractor Trailer	2	2	0	0	0
Bus Drivers	1	1	0	0	0
Operating Engineers	4	4	0	0	0
Refuse Collectors	1	1	0	0	0
TOTAL OF ALL OCCUPATIONS	207	220	13	7	20

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

LA PAZ COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	9	9	0	0	0
Financial Managers	1	1	0	0	0
Administrative Services Managers	1	1	0	0	0
Education Administrators	1	1	0	0	0
Construction Managers	1	1	0	0	0
Public Administration Executives, Legislators, & Administrators	2	2	0	0	0
General Managers & Top Executives	1	1	0	0	0
All Other Managers & Administrators	2	2	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	33	34	1	1	2
Accountants & Auditors	2	2	0	0	0
All Other Financial Specialists	4	4	0	0	0
Construction & Building Inspectors	3	3	0	0	0
Compliance & Enforcement Inspectors, Exc. Const.	1	1	0	0	0
Assessors	2	2	0	0	0
All Other Management Support Workers	5	5	0	0	0
Surveying & Mapping Techs.	2	2	0	0	0
Recreation Workers	1	1	0	0	0
Judges & Magistrates	6	7	1	1	2
Lawyers	3	3	0	0	0
Librarians, Professional	1	1	0	0	0
Registered Nurses	1	1	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	2	2	0	0	0
SALES & RELATED OCCUPATIONS	8	8	0	1	1
Appraisers, Real Estate	5	5	0	1	1
Cashiers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	52	55	3	5	8
First Line Supers.-Clerical & Admin. Support	4	4	0	0	0
Welfare Eligibility Workers & Interviewers	1	1	0	0	0
Court Clerks	10	11	1	2	3
Municipal Clerks	4	4	0	0	0
License Clerks	3	3	0	0	0
Secretaries	9	10	1	2	3
Receptionists & Information Clerks	1	1	0	0	0
Typists	1	1	0	0	0
Typists, Word Processing Equipment	1	1	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	1	1	0	0	0
General Office Clerks	5	5	0	1	1
Dispatchers - Police, Fire, & Ambulance	8	9	1	0	1
All Other Clerical & Administrative Support	4	4	0	0	0
SERVICE OCCUPATIONS	75	84	9	2	11
Police & Detective Supervisors	5	5	0	0	0
Fire Fighters	15	17	2	0	2
Police Detectives	5	5	0	0	0
Police Patrol Officers	25	29	4	0	4
Correction Officers & Jailers	6	7	1	1	2
Sheriffs & Deputy Sheriffs	13	15	2	1	3
All Other Protective Service Workers	4	4	0	0	0
Cooks, Institution or Cafeteria	1	1	0	0	0
Amusement & Recreation Attendants	1	1	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	6	6	0	0	0
Forest & Conservation Workers	3	3	0	0	0
Gardeners & Groundskeepers, Exc. Farm	3	3	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	35	37	2	1	3
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	1	1	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

LA PAZ COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	1	1	0	0	0
All Machinery Maintenance Mechanics	2	2	0	0	0
Maintenance Repairers, General Utility	1	1	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	1	1	0	0	0
Highway Maintenance Workers	13	15	2	1	3
All Other Construction & Extraction Workers, Exc. Helpers	3	3	0	0	0
Water & Liquid Waste Treatment System Opers.	3	3	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	3	3	0	0	0
Operating Engineers	7	7	0	0	0
TOTAL OF ALL OCCUPATIONS	218	233	15	10	25

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

MARICOPA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	2,666	3,063	397	323	720
Financial Managers	120	138	18	13	31
Personnel, Training, & Labor Relations Mgrs.	76	86	10	8	18
Purchasing Managers	19	21	2	1	3
Marketing, Advertising, & Public Rel. Mgrs.	28	31	3	2	5
Administrative Services Managers	147	168	21	16	37
Engineering, Mathematical & Natural Sciences Managers	23	25	2	3	5
Postmasters & Mail Superintendents	78	87	9	18	27
Education Administrators	94	107	13	10	23
Medicine & Health Services Managers	128	147	19	15	34
Property & Real Estate Managers & Admin.	6	7	1	0	1
Industrial Production Managers	1	1	0	0	0
Construction Managers	67	77	10	7	17
Transportation, Communications, & Utilities Operations Managers	234	269	35	12	47
Public Administration Executives, Legislators, & Administrators	227	262	35	27	62
General Managers & Top Executives	670	773	103	84	187
All Other Managers & Administrators	748	864	116	107	223
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	15,942	18,170	2,228	1,979	4,207
Loan Officers & Counselors	44	49	5	4	9
Accountants & Auditors	644	738	94	96	190
Budget Analysts	117	133	16	16	32
All Other Financial Specialists	167	192	25	16	41
Purchasing Agents, Exc. Wholesale, Retail, & Farm	240	269	29	30	59
Claims Takers, Unemployment Benefits	253	292	39	36	75
Employment Interviewers	78	89	11	8	19
Personnel, Training, & Labor Rel. Specialists	439	502	63	51	114
Management Analysts	141	161	20	29	49
Construction & Building Inspectors	360	412	52	58	110
Compliance & Enforcement Inspectors, Exc. Const.	969	1,111	142	135	277
Tax Examiners, Collectors, & Revenue Agents	303	338	35	44	79
Assessors	4	4	0	1	1
All Other Management Support Workers	1,120	1,293	173	161	334
Aeronautical and Astronautical Engineers	5	5	0	0	0
Mining Engineers, Incl. Mine Safety	4	4	0	0	0
Nuclear Engineers	4	4	0	0	0
Civil Engineers, Incl. Traffic	453	517	64	59	123
Agricultural Engineers	6	7	1	0	1
Electrical & Electronic Engineers	80	89	9	3	12
Industrial Engineers, Exc. Safety	1	1	0	0	0
Safety Engineers, Exc. Mining	25	28	3	1	4
Mechanical Engineers	11	12	1	0	1
All Other Engineers	81	90	9	4	13
Architects, Exc. Landscape & Marine	6	7	1	0	1
Landscape Architects	3	3	0	0	0
Surveying & Mapping Scientists	51	58	7	1	8
Civil Engineering Technicians & Technologists	256	295	39	33	72
Electrical/Electronic Engineering Technicians	136	154	18	6	24
Industrial Engineering Techs.	2	2	0	0	0
Drafters	228	262	34	18	52
Surveying & Mapping Techs.	274	315	41	16	57
All Other Engineering & Related Technicians	261	291	30	27	57
Physicists & Astronomers	2	2	0	0	0
Chemists, Exc. Biochemists	55	62	7	5	12
Atmospheric & Space Scientists	17	19	2	1	3
Geologists, Geophysicists, & Oceanographers	38	42	4	1	5
All Other Physical Scientists	77	88	11	5	16
Foresters & Conservation Scientists	49	55	6	3	9
Agricultural & Food Scientists	46	51	5	6	11
Biological Scientists	99	111	12	11	23

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Other Life Scientists	3	3	0	0	0
Physical & Life Science Technicians & Technologists	87	99	12	8	20
Biological, Agri., & Food Techs., Exc. Health	63	70	7	7	14
All Other Physical & Life Science Techs.	49	55	6	5	11
Systems Analysts, Electronic Data Processing	320	368	48	13	61
Computer Programmers	296	341	45	15	60
Computer Programmer Aides	84	95	11	6	17
Operations & Systems Analysts, Exc. Computer	5	5	0	0	0
Mathematical Scientists	1	1	0	0	0
Statisticians	6	7	1	0	1
Financial Analysts, Statistical	1	1	0	0	0
All Other Mathematical Scientists	2	2	0	0	0
Mathematical Technicians	1	1	0	0	0
Economists, Incl. Market Research Analysts	118	135	17	11	28
Urban & Regional Planners	295	340	45	15	60
Psychologists	68	76	8	5	13
All Other Social Scientists	70	78	8	3	11
Social Workers, Medical & Psychiatric	22	25	3	3	6
Social Workers, Exc. Medical & Psychiatric	283	325	42	51	93
Social Service Technicians	697	804	107	61	168
Recreation Workers	392	452	60	56	116
Clergy	11	12	1	1	2
Judges & Magistrates	159	182	23	44	67
Adjudicators, Hearing Officers, & Related	9	10	1	0	1
Lawyers	691	795	104	76	180
Law Clerks	225	259	34	24	58
Paralegal Personnel	105	120	15	10	25
All Other Legal Assistants/Techs., Exc. Clerical	400	450	50	86	136
Teachers & Instructors, Voc. Ed. & Training	193	218	25	38	63
Instructors, Nonvocational Education	5	5	0	0	0
All Other Teachers & Instructors	3	3	0	0	0
Librarians, Professional	226	259	33	50	83
Technical Assistants, Library	25	28	3	5	8
Vocational & Educational Counselors	24	27	3	3	6
Instructional Coordinators	33	37	4	2	6
Teacher Aides, Paraprofessional	91	102	11	7	18
Physicians & Surgeons	181	202	21	26	47
Dentists	5	5	0	0	0
Podiatrists	1	1	0	0	0
Veterinarians & Veterinary Inspectors	10	11	1	0	1
Therapists	30	34	4	4	8
Occupational Therapists	3	3	0	0	0
Physical Therapists	3	3	0	0	0
Corrective & Manual Arts Therapists	3	3	0	0	0
Speech Pathologists & Audiologists	9	10	1	1	2
Recreational Therapists	2	2	0	0	0
Registered Nurses	530	594	64	102	166
Licensed Practical Nurses	185	207	22	40	62
Emergency Medical Technicians	206	237	31	46	77
Physician Assistants	1	1	0	0	0
Pharmacists	27	30	3	6	9
Dietitians & Nutritionists	22	24	2	4	6
Medical & Clinical Laboratory Technologists	79	88	9	14	23
Medical Records Technicians & Technologists	19	21	2	4	6
Radiologic Technicians	26	29	3	4	7
All Other Health Professionals, Paraprofessionals, & Technicians	268	307	39	59	98
Writers & Editors	15	17	2	2	4
Public Rel. Specialists & Publicity Writers	74	84	10	10	20
Photographers	2	2	0	0	0
Artists & Related Workers	4	4	0	0	0
Athletes, Coaches, Umpires, & Related Workers	1	1	0	0	0
Airplane Dispatchers & Air Traffic Controllers	194	216	22	7	29

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Traffic Technicians	96	110	14	10	24
Radio Operators	34	38	4	3	7
All Other Professional, Paraprofessional, & Technical Workers	1,700	1,939	239	147	386
SALES & RELATED OCCUPATIONS	484	553	69	86	155
First Line Supervisors & Managers - Sales	16	18	2	1	3
Appraisers, Real Estate	270	310	40	55	95
Salespersons, Retail	68	76	8	8	16
Cashiers	62	71	9	12	21
All Other Sales & Related Workers	68	78	10	10	20
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	17,796	20,224	2,428	2,889	5,317
First Line Supers.-Clerical & Admin. Support	1,093	1,249	156	145	301
Adjustment Clerks	5	5	0	1	1
Insurance Adjusters, Examiners, & Investigators	35	39	4	3	7
Insurance Claims Clerks	101	112	11	22	33
Welfare Eligibility Workers & Interviewers	301	347	46	54	100
Court Clerks	306	353	47	66	113
Municipal Clerks	13	15	2	1	3
License Clerks	284	327	43	61	104
Travel Clerks	5	5	0	1	1
Library Assistants & Bookmobile Drivers	128	148	20	14	34
Teacher Aides & Ed. Assistants, Clerical	1	1	0	0	0
Real Estate Clerks	38	42	4	8	12
Secretaries	2,157	2,477	320	501	821
Stenographers	151	170	19	31	50
Receptionists & Information Clerks	92	105	13	19	32
Typists	1,619	1,857	238	424	662
Typists, Word Processing Equipment	191	220	29	21	50
Personnel Clerks, Exc. Payroll & Timekeeping	225	254	29	62	91
File Clerks	186	215	29	51	80
Procurement Clerks	42	47	5	4	9
Statistical Clerks	49	55	6	10	16
Interviewing Clerks, Exc. Personnel & Welfare	97	108	11	15	26
Customer Service Representatives, Utilities	126	145	19	27	46
Bookkeeping, Accounting, & Auditing Clerks	957	1,100	143	190	333
Payroll & Timekeeping Clerks	41	46	5	6	11
Billing, Cost & Rate Clerks	12	13	1	2	3
General Office Clerks	1,560	1,801	241	340	581
Mail Machine Operators, Preparation & Handling	14	16	2	4	6
Computer Operators, Exc. Peripheral Equipment	304	350	46	33	79
Peripheral EDP Equipment Operators	64	74	10	14	24
Data Entry Keyers, Exc. Composing	270	310	40	20	60
All Other Office Machine Operators	80	91	11	22	33
Switchboard Operators	119	135	16	31	47
Telegraph & Teletype Operators	6	7	1	0	1
All Other Communication Equipment Operators	8	9	1	1	2
Mail Clerks, Exc. Mail Machine Operators & Postal Service	269	302	33	46	79
Postal Mail Carriers	2,336	2,602	266	208	474
Postal Service Clerks	1,253	1,395	142	156	298
Messengers	84	94	10	9	19
Dispatchers - Police, Fire, & Ambulance	289	333	44	33	77
Dispatchers - Exc. Police, Fire, & Ambulance	24	27	3	1	4
Production, Planning, & Expediting Clerks	35	39	4	7	11
Meter Readers, Utilities	70	80	10	4	14
Stock Clerks - Stockroom, Warehouse, or Yard	437	496	59	49	108
Traffic, Shipping, & Receiving Clerks	1,137	1,265	128	129	257
All Other Material Recording/Scheduling/Dist.	112	127	15	12	27
All Other Clerical & Administrative Support	1,070	1,216	146	31	177

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
SERVICE OCCUPATIONS	8,627	9,940	1,313	1,023	2,336
First Line Supers. & Mgrs./Supers. - Service	1	1	0	0	0
Fire Fighting & Prevention Supervisors	337	389	52	19	71
Police & Detective Supervisors	821	948	127	44	171
All Other Service Supervisors & Managers	303	349	46	60	106
Fire Inspectors	22	25	3	1	4
Fire Fighters	567	654	87	33	120
Police Detectives	195	224	29	9	38
Police Patrol Officers	2,310	2,672	362	128	490
Correction Officers & Jailers	1,464	1,693	229	331	560
Bailiffs	79	91	12	6	18
U.S. Marshalls	11	12	1	2	3
Criminal Investigators, Federal	102	114	12	24	36
Sheriffs & Deputy Sheriffs	300	347	47	24	71
Game Wardens	32	37	5	2	7
Guards & Watch Guards	159	183	24	8	32
All Other Protective Service Workers	182	209	27	26	53
Butchers & Meat Cutters	24	27	3	2	5
Cooks, Institution or Cafeteria	88	100	12	12	24
Food Preparation Workers	35	40	5	6	11
Combined Food Preparation & Service Workers	90	101	11	16	27
All Other Food Service Workers	4	4	0	0	0
Dental Assistants	17	19	2	4	6
Medical Assistants	34	39	5	7	12
Nursing Aides, Orderlies, & Attendants	82	93	11	18	29
Home Health Aides	1	1	0	0	0
Psychiatric Aides	226	261	35	50	85
Physical & Corrective Therapy Assists./Aides	3	3	0	0	0
Pharmacy Assistants	15	17	2	3	5
All Other Health Service Workers	60	67	7	4	11
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	401	463	62	73	135
Janitors & Cleaners, Exc. Maids & Housekeeping	148	165	17	27	44
Barbers	1	1	0	0	0
Amusement & Recreation Attendants	249	287	38	37	75
Social Welfare Service Aides	217	250	33	38	71
All Other Service Workers	47	54	7	9	16
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	604	692	88	105	193
First Line Supervisors - Agri., Forestry, & Rel.	9	10	1	1	2
Forest & Conservation Workers	68	76	8	4	12
Graders & Sorters, Agricultural Products	21	23	2	3	5
Gardeners & Groundskeepers, Exc. Farm	476	549	73	93	166
Animal Caretakers, Exc. Farm	18	20	2	3	5
All Other Agri., Forestry, Fishing, & Related	12	14	2	1	3
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	6,977	7,968	991	645	1,636
First Line Managers/Supervisors - Mechanics/Installers/Repairers	302	344	42	42	84
First Line Managers/Supervisors - Construction Trades & Extraction Workers	94	107	13	9	22
First Line Mgrs./Supers. - Production & Opers.	26	29	3	1	4
First Line Mgrs./Supers. - Transport. Operatives	150	172	22	29	51
First Line Mgrs./Supers. - Laborers & Helpers	20	22	2	4	6
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	178	205	27	34	61
Precision Inspectors, Testers, & Graders	4	4	0	0	0
Production Inspectors, Testers, & Graders	10	11	1	1	2
Transportation Inspectors	6	6	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	149	172	23	13	36
All Other Machinery Maintenance Mechanics	56	63	7	2	9
Machinery Maintenance Workers	172	196	24	19	43
Maintenance Repairers, General Utility	347	398	51	30	81

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Automotive Mechanics	168	191	23	12	35
Automotive Body & Related Repairers	1	1	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	43	48	5	3	8
Mobile Heavy Equip. Mechanics, Exc. Engines	183	209	26	9	35
Aircraft Mechanics	126	141	15	7	22
Aircraft Engine Specialists	64	71	7	2	9
Central Office & PBX Installers & Repairers	1	1	0	0	0
Frame Wirers, Central Office	6	7	1	0	1
Electric Motor, Transformer, & Rel. Repairers	2	2	0	0	0
Electronics Repairers, Commercial & Ind. Equip.	55	62	7	3	10
Powerhouse, Substation, & Relay Electricians	19	21	2	1	3
Electrical Powerline Installers & Repairers	25	28	3	2	5
Electrical Installers & Repairers, Transportation Equipment	19	21	2	1	3
All Other Electrical Mechs./Installers/Repairers	17	19	2	1	3
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	53	58	5	3	8
Precision Instrument Repairers	110	125	15	9	24
Electromedical & Biomedical Equip. Repairers	7	8	1	0	1
Electric Meter Installers & Repairers	4	4	0	0	0
Mechanical Control & Valve Installers & Repairers	57	63	6	2	8
Tire Repairers & Changers	3	3	0	0	0
All Other Mechanics, Installers, & Repairers	217	246	29	18	47
Carpenters	48	55	7	5	12
Electricians	208	239	31	19	50
Stone Masons	2	2	0	0	0
Concrete & Terrazzo Finishers	11	12	1	0	1
Painters & Paperhangers - Construction & Maintenance	49	55	6	5	11
Plumbers, Pipefitters, & Steamfitters	26	28	2	1	3
Paving, Surfacing, & Tamping Equip. Opers.	239	276	37	27	64
Highway Maintenance Workers	497	574	77	56	133
All Extraction Workers, Exc. Helpers	33	37	4	2	6
All Other Construction & Extraction Workers, Exc. Helpers	34	39	5	2	7
Precision Production Occupations	27	31	4	2	6
Tool & Die Makers	2	2	0	0	0
Machinists	8	9	1	0	1
Sheet Metal Workers	30	34	4	2	6
Cabinetmakers & Bench Carpenters	7	8	1	0	1
All Precision Textile & Apparel Workers	12	14	2	2	4
Precision Pattern/Model Makers	9	10	1	1	2
Precision Detail Design Decorators & Painters	3	3	0	0	0
Precision Dental Laboratory Technicians	1	1	0	0	0
Machine Setters, Set-Up Operators, Operators, & Tenders	109	125	16	10	26
Electrolytic Coating Machine Operators - Metal & Plastic	1	1	0	0	0
Printing Press Machine Operators & Tenders	6	7	1	0	1
Sewing Machine Operators, Garment	1	1	0	0	0
Laundry/Drycleaning Mach. Opers., Exc. Pressing	2	2	0	0	0
Painters, Transportation Equipment	2	2	0	0	0
Hand Working, Inc. Assemblers & Fabricators	27	30	3	2	5
Welders & Cutters	10	11	1	0	1
Assemblers/Fabricators - Exc. Machine, Electrical & Precision	6	7	1	0	1
All Other Hand Workers	17	19	2	2	4
Water & Liquid Waste Treatment System Opers.	432	499	67	25	92
Power Generating Plant Opers., Exc. Aux. Equip.	2	2	0	0	0
Power Distributors & Dispatchers	21	24	3	1	4
Stationary Engineers	33	37	4	2	6
All Other Plant & System Operators	22	24	2	2	4

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Truck Drivers, Heavy or Tractor Trailer	71	79	8	5	13
Truck Drivers, Light - Incl. Delivery & Route	31	35	4	2	6
Bus Drivers	7	8	1	0	1
All Other Motor Vehicle Operators	43	48	5	3	8
Aircraft Pilots & Flight Engineers	19	21	2	1	3
Service Station Attendants	60	68	8	6	14
All Other Transportation & Related Workers	269	310	41	30	71
Crane & Tower Operators	1	1	0	0	0
Industrial Truck & Tractor Operators	43	47	4	2	6
Operating Engineers	320	369	49	29	78
All Other Transportation & Moving Equip. Operators	3	3	0	0	0
All Other Material Moving Equipment Operators	18	20	2	1	3
Refuse Collectors	440	509	69	26	95
All Other Freight & Material Movers, Hand	1	1	0	0	0
Vehicle Washers & Equipment Cleaners	3	3	0	0	0
All Other Helpers & Laborers	1,017	1,168	151	115	266
TOTAL OF ALL OCCUPATIONS	53,096	60,610	7,514	7,050	14,564

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

MOHAVE COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	98	109	11	10	21
Financial Managers	8	9	1	0	1
Personnel, Training, & Labor Relations Mgrs.	2	2	0	0	0
Administrative Services Managers	6	7	1	0	1
Postmasters & Mail Superintendents	14	14	0	3	3
Education Administrators	3	3	0	0	0
Medicine & Health Services Managers	1	1	0	0	0
Construction Managers	5	5	0	0	0
Transportation, Communications, & Utilities Operations Managers	1	1	0	0	0
Public Administration Executives, Legislators, & Administrators	11	13	2	1	3
General Managers & Top Executives	26	30	4	3	7
All Other Managers & Administrators	21	24	3	3	6
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	314	342	28	20	48
Loan Officers & Counselors	1	1	0	0	0
Accountants & Auditors	7	8	1	0	1
Budget Analysts	1	1	0	0	0
All Other Financial Specialists	2	2	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	1	1	0	0	0
Claims Takers, Unemployment Benefits	2	2	0	0	0
Employment Interviewers	6	6	0	0	0
Personnel, Training, & Labor Rel. Specialists	3	3	0	0	0
Construction & Building Inspectors	8	9	1	1	2
Compliance & Enforcement Inspectors, Exc. Const.	35	41	6	4	10
Tax Examiners, Collectors, & Revenue Agents	3	3	0	0	0
Assessors	3	3	0	0	0
All Other Management Support Workers	23	26	3	2	5
Mining Engineers, Incl. Mine Safety	1	1	0	0	0
Civil Engineers, Incl. Traffic	6	6	0	0	0
All Other Engineers	1	1	0	0	0
Surveying & Mapping Scientists	1	1	0	0	0
Civil Engineering Technicians & Technologists	19	21	2	1	3
Electrical/Electronic Engineering Technicians	2	2	0	0	0
Drafters	3	3	0	0	0
Surveying & Mapping Techs.	14	16	2	0	2
All Other Engineering & Related Technicians	2	2	0	0	0
Foresters & Conservation Scientists	8	8	0	0	0
Agricultural & Food Scientists	3	3	0	0	0
Biological Scientists	7	7	0	0	0
All Other Life Scientists	1	1	0	0	0
Physical & Life Science Technicians & Technologists	3	3	0	0	0
Biological, Agri., & Food Techs., Exc. Health	2	2	0	0	0
Computer Programmers	1	1	0	0	0
Urban & Regional Planners	7	8	1	0	1
Social Workers, Medical & Psychiatric	1	1	0	0	0
Social Workers, Exc. Medical & Psychiatric	13	15	2	2	4
Social Service Technicians	14	16	2	1	3
Recreation Workers	10	11	1	1	2
Judges & Magistrates	7	8	1	2	3
Lawyers	10	11	1	1	2
Law Clerks	5	5	0	0	0
Teachers & Instructors, Voc. Ed. & Training	3	3	0	0	0
Librarians, Professional	8	9	1	1	2
Technical Assistants, Library	3	3	0	0	0
Registered Nurses	4	4	0	0	0
Emergency Medical Technicians	11	13	2	2	4
Physician Assistants	1	1	0	0	0
Medical Records Technicians & Technologists	2	2	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	3	3	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

MOHAVE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1990	JOB OPENINGS DUE TO SEPARATIONS 1985-1990	TOTAL JOB OPENINGS 1985-1990
Public Rel. Specialists & Publicity Writers	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	42	44	2	4	6
SALES & RELATED OCCUPATIONS	18	20	2	2	4
First Line Supervisors & Managers - Sales	3	3	0	0	0
Appraisers, Real Estate	12	14	2	2	4
Cashiers	2	2	0	0	0
All Other Sales & Related Workers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	473	525	52	61	113
First Line Supers.-Clerical & Admin. Support	14	15	1	0	1
Welfare Eligibility Workers & Interviewers	22	25	3	3	6
Court Clerks	24	28	4	4	8
Municipal Clerks	5	5	0	0	0
License Clerks	19	22	3	4	7
Library Assistants & Bookmobile Drivers	19	22	3	2	5
Teacher Aides & Ed. Assistants, Clerical	2	2	0	0	0
Real Estate Clerks	2	2	0	0	0
Secretaries	50	58	8	10	18
Stenographers	2	2	0	0	0
Receptionists & Information Clerks	8	8	0	1	1
Typists	43	50	7	10	17
Typists, Word Processing Equipment	2	2	0	0	0
Personnel Clerks, Exc. Payroll & Timekeeping	2	2	0	0	0
File Clerks	3	3	0	0	0
Customer Service Representatives, Utilities	6	6	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	33	38	5	5	10
Payroll & Timekeeping Clerks	1	1	0	0	0
Billing, Cost & Rate Clerks	2	2	0	0	0
General Office Clerks	51	59	8	10	18
Computer Operators, Exc. Peripheral Equipment	2	2	0	0	0
Data Entry Keyers, Exc. Composing	3	3	0	0	0
All Other Office Machine Operators	6	6	0	1	1
Postal Mail Carriers	39	41	2	3	5
Postal Service Clerks	6	6	0	0	0
Dispatchers - Police, Fire, & Ambulance	20	23	3	2	5
Production, Planning, & Expediting Clerks	7	7	0	1	1
Meter Readers, Utilities	5	5	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	8	8	0	0	0
Traffic, Shipping, & Receiving Clerks	42	44	2	4	6
All Other Material Recording/Scheduling/Dist.	1	1	0	0	0
All Other Clerical & Administrative Support	32	35	3	0	3
SERVICE OCCUPATIONS	427	500	73	30	103
Fire Fighting & Prevention Supervisors	22	26	4	1	5
Police & Detective Supervisors	33	38	5	1	6
All Other Service Supervisors & Managers	14	16	2	2	4
Fire Fighters	110	131	21	6	27
Police Detectives	19	22	3	0	3
Police Patrol Officers	86	102	16	4	20
Correction Officers & Jailers	44	52	8	9	17
U.S. Marshalls	1	1	0	0	0
Sheriffs & Deputy Sheriffs	37	44	7	3	10
Game Wardens	16	19	3	1	4
All Other Protective Service Workers	7	8	1	1	2
Cooks, Institution or Cafeteria	14	16	2	1	3
Food Preparation Workers	6	7	1	1	2
Nursing Aides, Orderlies, & Attendants	3	3	0	0	0
Home Health Aides	5	5	0	0	0
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	2	2	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	1	1	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

MOHAVE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Social Welfare Service Aides	3	3	0	0	0
All Other Service Workers	4	4	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	42	46	4	4	8
Forest & Conservation Workers	7	7	0	0	0
Gardeners & Groundskeepers, Exc. Farm	20	23	3	3	6
Animal Caretakers, Exc. Farm	6	7	1	1	2
All Other Agri., Forestry, Fishing, & Related	9	9	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	294	329	35	17	52
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	13	15	2	1	3
First Line Managers/Supervisors - Construction Trades & Extraction Workers	10	10	0	0	0
First Line Mgrs./Supers. - Transport. Operatives	2	2	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	1	1	0	0	0
All Inspectors, Testers, & Related	1	1	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	6	6	0	0	0
All Other Machinery Maintenance Mechanics	13	14	1	0	1
Maintenance Repairers, General Utility	35	38	3	2	5
Automotive Mechanics	8	9	1	0	1
Bus & Truck Mechs., & Diesel Eng. Specialists	4	4	0	0	0
Mobile Heavy Equip. Mechanics, Exc. Engines	4	4	0	0	0
Electrical Powerline Installers & Repairers	1	1	0	0	0
All Other Mechanics, Installers, & Repairers	6	6	0	0	0
Painters & Paperhangers - Construction & Maintenance	1	1	0	0	0
Pipelayers	11	13	2	1	3
Highway Maintenance Workers	74	88	14	8	22
Machinists	1	1	0	0	0
Hand Working, Inc. Assemblers & Fabricators	1	1	0	0	0
Water & Liquid Waste Treatment System Opers.	18	21	3	1	4
Power Distributors & Dispatchers	1	1	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	1	1	0	0	0
Bus Drivers	9	10	1	1	2
All Other Motor Vehicle Operators	1	1	0	0	0
Service Station Attendants	2	2	0	0	0
All Other Transportation & Related Workers	16	19	3	1	4
Industrial Truck & Tractor Operators	4	4	0	0	0
Operating Engineers	24	27	3	1	4
Refuse Collectors	3	3	0	0	0
All Other Helpers & Laborers	23	25	2	1	3
TOTAL OF ALL OCCUPATIONS	1,666	1,871	205	144	349

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

NAVAJO COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	141	155	14	13	27
Financial Managers	7	8	1	0	1
Administrative Services Managers	4	4	0	0	0
Engineering, Mathematical & Natural Sciences Managers	5	5	0	0	0
Postmasters & Mail Superintendents	25	26	1	6	7
Education Administrators	10	10	0	0	0
Medicine & Health Services Managers	7	7	0	0	0
Construction Managers	3	3	0	0	0
Transportation, Communications, & Utilities Operations Managers	9	10	1	0	1
Public Administration Executives, Legislators, & Administrators	33	39	6	4	10
General Managers & Top Executives	5	5	0	0	0
All Other Managers & Administrators	33	38	5	3	8
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,286	1,352	66	146	212
Loan Officers & Counselors	2	2	0	0	0
Accountants & Auditors	3	3	0	0	0
Budget Analysts	2	2	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	4	4	0	0	0
Claims Takers, Unemployment Benefits	7	8	1	1	2
Employment Interviewers	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	4	4	0	0	0
Construction & Building Inspectors	11	12	1	1	2
Compliance & Enforcement Inspectors, Exc. Const.	9	9	0	0	0
Tax Examiners, Collectors, and Revenue Agents	1	1	0	0	0
Assessors	3	3	0	0	0
All Other Management Support Workers	12	13	1	1	2
Civil Engineers, Incl. Traffic	17	18	1	0	1
Agricultural Engineers	1	1	0	0	0
Surveying & Mapping Scientists	2	2	0	0	0
Civil Engineering Technicians & Technologists	15	17	2	1	3
Electrical/Electronic Engineering Technicians	2	2	0	0	0
Drafters	7	8	1	0	1
Surveying & Mapping Techs.	29	33	4	1	5
All Other Engineering & Related Technicians	23	24	1	2	3
Foresters & Conservation Scientists	39	41	2	2	4
Agricultural & Food Scientists	3	3	0	0	0
Biological Scientists	6	6	0	0	0
Physical & Life Science Technicians & Technologists	4	4	0	0	0
Biological, Agri., & Food Techs., Exc. Health	5	5	0	0	0
All Other Physical & Life Science Techs.	5	5	0	0	0
Urban & Regional Planners	9	10	1	0	1
Psychologists	2	2	0	0	0
All Other Social Scientists	2	2	0	0	0
Social Workers, Exc. Medical & Psychiatric	5	5	0	0	0
Social Service Technicians	12	13	1	0	1
Recreation Workers	38	42	4	5	9
Judges & Magistrates	13	15	2	3	5
Lawyers	8	9	1	0	1
Law Clerks	2	2	0	0	0
Teachers & Instructors, Voc. Ed. & Training	311	325	14	61	75
Instructors, Nonvocational Education	2	2	0	0	0
Librarians, Professional	15	15	0	3	3
Technical Assistants, Library	2	2	0	0	0
Teacher Aides, Paraprofessional	442	462	20	34	54
Physicians & Surgeons	2	2	0	0	0
Veterinarians & Veterinary Inspectors	1	1	0	0	0
Speech Pathologists & Audiologists	1	1	0	0	0
Registered Nurses	86	91	5	16	21
Licensed Practical Nurses	35	37	2	7	9

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

NAVAJO COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Physician Assistants	5	5	0	1	1
Pharmacists	1	1	0	0	0
Dietitians & Nutritionists	2	2	0	0	0
Medical & Clinical Laboratory Technologists	21	22	1	3	4
Medical Records Technicians & Technologists	11	11	0	2	2
Radiologic Technicians	6	6	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	4	4	0	0	0
Radio Operators	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	30	31	1	2	3
SALES & RELATED OCCUPATIONS	17	18	1	1	2
First Line Supervisors & Managers - Sales	1	1	0	0	0
Appraisers, Real Estate	10	11	1	1	2
Salespersons, Retail	2	2	0	0	0
Cashiers	4	4	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	532	580	48	80	128
First Line Supers.-Clerical & Admin. Support	22	24	2	2	4
Welfare Eligibility Workers & Interviewers	39	46	7	7	14
Court Clerks	17	20	3	3	6
Municipal Clerks	6	7	1	0	1
License Clerks	8	8	0	1	1
Library Assistants & Bookmobile Drivers	9	10	1	1	2
Real Estate Clerks	1	1	0	0	0
Secretaries	95	105	10	20	30
Stenographers	2	2	0	0	0
Receptionists & Information Clerks	14	14	0	3	3
Typists	93	103	10	23	33
Personnel Clerks, Exc. Payroll & Timekeeping	4	4	0	1	1
Interviewing Clerks, Exc. Personnel & Welfare	22	23	1	3	4
Bookkeeping, Accounting, & Auditing Clerks	17	19	2	2	4
Payroll & Timekeeping Clerks	5	5	0	0	0
General Office Clerks	31	33	2	5	7
Computer Operators, Exc. Peripheral Equipment	2	2	0	0	0
Data Entry Keyers, Exc. Composing	6	7	1	0	1
Switchboard Operators	5	5	0	0	0
Mail Clerks, Exc. Mail Machine Operators & Postal Service	3	3	0	0	0
Postal Mail Carriers	14	14	0	1	1
Postal Service Clerks	6	6	0	0	0
Dispatchers - Police, Fire, & Ambulance	24	28	4	2	6
Production, Planning, & Expediting Clerks	11	11	0	2	2
Meter Readers, Utilities	4	4	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	12	12	0	1	1
Traffic, Shipping, & Receiving Clerks	31	33	2	3	5
All Other Clerical & Administrative Support	29	31	2	0	2
SERVICE OCCUPATIONS	530	583	53	57	110
Fire Fighting & Prevention Supervisors	3	3	0	0	0
Police & Detective Supervisors	30	33	3	1	4
All Other Service Supervisors & Managers	19	20	1	3	4
Forest Fire Inspectors & Prev. Specialists	5	5	0	0	0
Fire Fighters	76	90	14	4	18
Police Detectives	4	4	0	0	0
Police Patrol Officers	55	65	10	2	12
Correction Officers & Jailers	33	39	6	7	13
Criminal Investigators, Federal	2	2	0	0	0
Sheriffs & Deputy Sheriffs	35	41	6	2	8
Game Wardens	8	9	1	0	1
Guards & Watch Guards	10	10	0	0	0
All Other Protective Service Workers	12	12	0	1	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

NAVAJO COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Cooks, Institution or Cafeteria	62	64	2	9	11
Combined Food Preparation & Service Workers	45	48	3	8	11
Dental Assistants	23	24	1	6	7
Nursing Aides, Orderlies, & Attendants	26	27	1	5	6
Physical & Corrective Therapy Assists./Aides	1	1	0	0	0
Pharmacy Assistants	3	3	0	0	0
All Other Health Service Workers	12	12	0	0	0
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	9	10	1	1	2
Janitors & Cleaners, Exc. Maids & Housekeeping	42	44	2	7	9
Amusement & Recreation Attendants	13	15	2	1	3
Social Welfare Service Aides	2	2	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	351	371	20	28	48
First Line Supervisors - Agri., Forestry, & Rel.	12	12	0	1	1
Forest & Conservation Workers	276	288	12	19	31
Gardeners & Groundskeepers, Exc. Farm	39	46	7	7	14
Animal Caretakers, Exc. Farm	4	4	0	0	0
All Other Agri., Forestry, Fishing, & Related	20	21	1	1	2
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	599	651	52	44	96
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	19	19	0	1	1
First Line Managers/Supervisors - Construction Trades & Extraction Workers	6	6	0	0	0
First Line Mgrs./Supers. - Transport. Operatives	12	13	1	1	2
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	14	16	2	2	4
Transportation Inspectors	2	2	0	0	0
All Machinery Maintenance Mechanics	10	11	1	0	1
Machinery Maintenance Workers	3	3	0	0	0
Maintenance Repairers, General Utility	75	79	4	5	9
Automotive Mechanics	11	11	0	0	0
Mobile Heavy Equip. Mechanics, Exc. Engines	14	15	1	0	1
Small Engine Specialists	1	1	0	0	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	1	1	0	0	0
Mechanical Control & Valve Installers & Repairers	3	3	0	0	0
All Other Mechanics, Installers, & Repairers	2	2	0	0	0
Carpenters	2	2	0	0	0
Electricians	6	6	0	0	0
Painters & Paperhangers - Construction & Maintenance	6	6	0	0	0
Plumbers, Pipefitters, & Steamfitters	14	16	2	1	3
Pipelayers	4	4	0	0	0
Paving, Surfacing, & Tamping Equip. Opers.	53	63	10	6	16
Highway Maintenance Workers	69	82	13	7	20
All Precision Textile & Apparel Workers	1	1	0	0	0
Water & Liquid Waste Treatment System Opers.	6	7	1	0	1
Truck Drivers, Light - Incl. Delivery & Route	1	1	0	0	0
All Other Motor Vehicle Operators	70	73	3	5	8
Service Station Attendants	2	2	0	0	0
All Other Transportation & Related Workers	6	7	1	0	1
Industrial Truck & Tractor Operators	1	1	0	0	0
Operating Engineers	58	62	4	4	8
Refuse Collectors	21	25	4	1	5
All Other Helpers & Laborers	106	111	5	11	16
TOTAL OF ALL OCCUPATIONS	3,456	3,710	254	369	623

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

PIMA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	641	740	99	69	168
Financial Managers	31	36	5	3	8
Personnel, Training, & Labor Relations Mgrs.	13	14	1	1	2
Purchasing Managers	3	3	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	3	3	0	0	0
Administrative Services Managers	36	42	6	4	10
Engineering, Mathematical & Natural Sciences Managers	11	12	1	1	2
Postmasters & Mail Superintendents	23	24	1	5	6
Education Administrators	7	7	0	0	0
Medicine & Health Services Managers	62	70	8	7	15
Property & Real Estate Managers & Admin.	2	2	0	0	0
Construction Managers	13	15	2	1	3
Transportation, Communications, & Utilities Operations Managers	92	106	14	4	18
Public Administration Executives, Legislators, & Administrators	38	45	7	4	11
General Managers & Top Executives	143	168	25	17	42
All Other Managers & Administrators	164	193	29	22	51
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	5,663	6,407	744	704	1,448
Loan Officers & Counselors	4	4	0	0	0
Accountants & Auditors	169	192	23	23	46
Budget Analysts	29	32	3	3	6
All Other Financial Specialists	9	9	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	75	80	5	8	13
Claims Takers, Unemployment Benefits	69	82	13	10	23
Employment Interviewers	75	80	5	8	13
Personnel, Training, & Labor Rel. Specialists	114	129	15	13	28
Management Analysts	33	37	4	7	11
Construction & Building Inspectors	61	70	9	8	17
Compliance & Enforcement Inspectors, Exc. Const.	166	190	24	21	45
Tax Examiners, Collectors, & Revenue Agents	84	89	5	11	16
Assessors	1	1	0	0	0
All Other Management Support Workers	416	492	76	60	136
Aeronautical and Astronautical Engineers	1	1	0	0	0
Civil Engineers, Incl. Traffic	206	242	36	26	62
Electrical & Electronic Engineers	13	14	1	0	1
Industrial Engineers, Exc. Safety	8	8	0	0	0
Safety Engineers, Exc. Mining	7	7	0	0	0
Mechanical Engineers	3	3	0	0	0
All Other Engineers	20	21	1	1	2
Architects, Exc. Landscape & Marine	2	2	0	0	0
Landscape Architects	2	2	0	0	0
Surveying & Mapping Scientists	37	43	6	1	7
Civil Engineering Technicians & Technologists	153	182	29	20	49
Electrical/Electronic Engineering Technicians	106	122	16	5	21
Industrial Engineering Techs.	7	7	0	0	0
Drafters	130	155	25	10	35
Surveying & Mapping Techs.	121	143	22	7	29
All Other Engineering & Related Technicians	125	142	17	13	30
Physicists & Astronomers	4	4	0	0	0
Chemists, Exc. Biochemists	24	28	4	2	6
Atmospheric & Space Scientists	1	1	0	0	0
Geologists, Geophysicists, & Oceanographers	40	42	2	2	4
All Other Physical Scientists	4	4	0	0	0
Foresters & Conservation Scientists	19	20	1	1	2
Agricultural & Food Scientists	26	27	1	3	4
Biological Scientists	22	23	1	2	3
Medical Scientists	2	2	0	0	0
All Other Life Scientists	14	15	1	1	2
Physical & Life Science Technicians & Technologists	18	21	3	1	4

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Biological, Agri., & Food Techs., Exc. Health	37	39	2	4	6
All Other Physical & Life Science Techs.	29	30	1	3	4
Systems Analysts, Electronic Data Processing	61	69	8	1	9
Computer Programmers	37	44	7	1	8
Computer Programmer Aides	30	33	3	1	4
Operations & Systems Analysts, Exc. Computer	3	3	0	0	0
Statisticians	2	2	0	0	0
All Other Mathematical Scientists	2	2	0	0	0
Economists, Incl. Market Research Analysts	34	40	6	3	9
Urban & Regional Planners	63	74	11	3	14
Psychologists	30	33	3	2	5
All Other Social Scientists	29	30	1	1	2
Social Workers, Medical & Psychiatric	2	2	0	0	0
Social Workers, Exc. Medical & Psychiatric	189	222	33	32	65
Social Service Technicians	259	309	50	22	72
Recreation Workers	248	296	48	35	83
Clergy	3	3	0	0	0
Judges & Magistrates	78	92	14	21	35
Adjudicators, Hearing Officers, & Related	14	16	2	1	3
Lawyers	181	213	32	18	50
Law Clerks	20	23	3	2	5
Paralegal Personnel	12	13	1	0	1
All Other Legal Assistants/Techs., Exc. Clerical	98	111	13	21	34
Teachers & Instructors, Voc. Ed. & Training	113	122	9	21	30
Instructors, Nonvocational Education	3	3	0	0	0
All Other Teachers & Instructors	2	2	0	0	0
Librarians, Professional	92	108	16	20	36
Technical Assistants, Library	54	63	9	12	21
Curators, Archivists, & Museum Technicians	12	13	1	1	2
Vocational & Educational Counselors	29	34	5	4	9
Instructional Coordinators	10	11	1	0	1
Teacher Aides, Paraprofessional	76	79	3	5	8
Physicians & Surgeons	161	169	8	22	30
Dentists	3	3	0	0	0
Optometrists	1	1	0	0	0
Podiatrists	3	3	0	0	0
Veterinarians & Veterinary Inspectors	1	1	0	0	0
Therapists	44	51	7	6	13
Occupational Therapists	2	2	0	0	0
Physical Therapists	4	4	0	0	0
Corrective & Manual Arts Therapists	1	1	0	0	0
Speech Pathologists & Audiologists	4	4	0	0	0
Recreational Therapists	1	1	0	0	0
Registered Nurses	350	378	28	66	94
Licensed Practical Nurses	130	140	10	28	38
Emergency Medical Technicians	59	69	10	13	23
Physician Assistants	4	4	0	0	0
Pharmacists	25	26	1	5	6
Dietitians & Nutritionists	16	17	1	2	3
Medical & Clinical Laboratory Technologists	54	56	2	9	11
Medical Records Technicians & Technologists	17	18	1	4	5
Radiologic Technicians	25	26	1	4	5
All Other Health Professionals, Paraprofessionals, & Technicians	84	93	9	17	26
Writers & Editors	8	8	0	1	1
Public Rel. Specialists & Publicity Writers	6	6	0	0	0
Photographers	5	5	0	0	0
Artists & Related Workers	3	3	0	0	0
Airplane Dispatchers & Air Traffic Controllers	61	64	3	2	5
Traffic Technicians	38	45	7	3	10
Radio Operators	10	11	1	1	2
All Other Professional, Paraprofessional, & Technical Workers	339	368	29	28	57

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
SALES & RELATED OCCUPATIONS	194	219	25	31	56
First Line Supervisors & Managers - Sales	9	9	0	0	0
Appraisers, Real Estate	79	93	14	16	30
Salespersons, Retail	41	43	2	5	7
Cashiers	50	58	8	9	17
All Other Sales & Related Workers	15	16	1	1	2
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	5,188	5,820	632	813	1,445
First Line Supers.-Clerical & Admin. Support	316	359	43	41	84
Insurance Adjusters, Examiners, & Investigators	1	1	0	0	0
Insurance Claims Clerks	29	30	1	6	7
Welfare Eligibility Workers & Interviewers	134	160	26	24	50
Court Clerks	198	237	39	43	82
Municipal Clerks	14	16	2	1	3
License Clerks	49	58	9	10	19
Travel Clerks	2	2	0	0	0
Library Assistants & Bookmobile Drivers	50	59	9	5	14
Real Estate Clerks	2	2	0	0	0
Secretaries	586	670	84	135	219
Stenographers	66	77	11	13	24
Receptionists & Information Clerks	28	31	3	5	8
Typists	435	502	67	113	180
Typists, Word Processing Equipment	3	3	0	0	0
Personnel Clerks, Exc. Payroll & Timekeeping	54	58	4	13	17
Correspondence Clerks	2	2	0	0	0
File Clerks	25	29	4	6	10
Procurement Clerks	17	18	1	1	2
Statistical Clerks	1	1	0	0	0
Interviewing Clerks, Exc. Personnel & Welfare	61	64	3	9	12
Customer Service Representatives, Utilities	29	34	5	6	11
Bookkeeping, Accounting, & Auditing Clerks	284	331	47	55	102
Payroll & Timekeeping Clerks	16	17	1	2	3
General Office Clerks	527	628	101	115	216
Mail Machine Operators, Preparation & Handling	5	5	0	1	1
Computer Operators, Exc. Peripheral Equipment	21	23	2	2	4
Peripheral EDP Equipment Operators	8	9	1	1	2
Data Entry Keyers, Exc. Composing	92	107	15	6	21
All Other Office Machine Operators	10	11	1	2	3
Switchboard Operators	24	27	3	5	8
Telegraph & Teletype Operators	1	1	0	0	0
All Other Communication Equipment Operators	8	8	0	1	1
Mail Clerks, Exc. Mail Machine Operators & Postal Service	49	51	2	7	9
Postal Mail Carriers	703	735	32	61	93
Postal Service Clerks	366	382	16	44	60
Messengers	61	71	10	6	16
Dispatchers - Police, Fire, & Ambulance	111	132	21	12	33
Dispatchers - Exc. Police, Fire, & Ambulance	12	13	1	0	1
Production, Planning, & Expediting Clerks	36	38	2	7	9
Meter Readers, Utilities	25	29	4	1	5
Stock Clerks - Stockroom, Warehouse, or Yard -	177	192	15	18	33
Traffic, Shipping, & Receiving Clerks	248	260	12	28	40
All Other Material Recording/Scheduling/Dist.	9	10	1	0	1
All Other Clerical & Administrative Support	293	327	34	8	42
SERVICE OCCUPATIONS	3,666	4,293	627	481	1,108
First Line Supers. & Mgrs./Supers. - Service	1	1	0	0	0
Fire Fighting & Prevention Supervisors	109	129	20	6	26
Police & Detective Supervisors	261	306	45	13	58
All Other Service Supervisors & Managers	192	224	32	38	70
Fire Inspectors	21	25	4	1	5
Fire Fighters	241	282	41	13	54
Police Detectives	112	130	18	5	23

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Police Patrol Officers	635	755	120	35	155
Correction Officers & Jailers	597	713	116	135	251
Bailiffs	53	63	10	4	14
U.S. Marshalls	8	8	0	1	1
Criminal Investigators, Federal	44	46	2	10	12
Sheriffs & Deputy Sheriffs	261	312	51	21	72
Game Wardens	19	22	3	1	4
Guards & Watch Guards	28	32	4	1	5
All Other Protective Service Workers	78	91	13	11	24
Bakers, Bread & Pastry	1	1	0	0	0
Butchers & Meat Cutters	18	19	1	1	2
Cooks, Institution or Cafeteria	46	51	5	6	11
Food Preparation Workers	7	7	0	0	0
Combined Food Preparation & Service Workers	61	64	3	11	14
All Other Food Service Workers	128	153	25	23	48
Dental Assistants	9	9	0	2	2
Medical Assistants	13	15	2	2	4
Nursing Aides, Orderlies, & Attendants	44	46	2	8	10
Home Health Aides	34	40	6	3	9
Psychiatric Aides	5	5	0	1	1
Physical & Corrective Therapy Assists./Aides	3	3	0	0	0
Pharmacy Assistants	15	16	1	3	4
All Other Health Service Workers	44	48	4	2	6
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	188	224	36	34	70
Janitors & Cleaners, Exc. Maids & Housekeeping	72	75	3	12	15
Pest Controllers & Assistants	1	1	0	0	0
Barbers	1	1	0	0	0
Amusement & Recreation Attendants	60	71	11	9	20
Child Care Workers	249	297	48	68	116
All Other Service Workers	7	8	1	1	2
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	230	267	37	37	74
First Line Supervisors - Agri., Forestry, & Rel.	5	5	0	0	0
Forest & Conservation Workers	35	38	3	1	4
Gardeners & Groundskeepers, Exc. Farm	165	195	30	32	62
Animal Caretakers, Exc. Farm	23	27	4	4	8
All Other Agri., Forestry, Fishing, & Related	2	2	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	2,962	3,325	363	237	600
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	147	161	14	19	33
First Line Managers/Supervisors - Construction Trades & Extraction Workers	25	27	2	1	3
First Line Mgrs./Supers. - Production & Opers.	10	10	0	0	0
First Line Mgrs./Supers. - Transport. Operatives	24	27	3	4	7
First Line Mgrs./Supers. - Laborers & Helpers	11	12	1	2	3
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	67	78	11	13	24
Precision Inspectors, Testers, & Graders	7	7	0	0	0
Production Inspectors, Testers, & Graders	9	9	0	1	1
Transportation Inspectors	4	4	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	47	56	9	4	13
All Other Machinery Maintenance Mechanics	40	45	5	1	6
Machinery Maintenance Workers	26	29	3	2	5
Maintenance Repairers, General Utility	127	147	20	10	30
Automotive Mechanics	84	95	11	6	17
Bus & Truck Mechs., & Diesel Eng. Specialists	21	24	3	1	4
Mobile Heavy Equip. Mechanics, Exc. Engines	66	77	11	3	14
Rail Car Repairers	3	3	0	0	0
Aircraft Mechanics	144	150	6	8	14
Aircraft Engine Specialists	92	96	4	3	7
Electric Home Appliance & Power Tool Repairers	2	2	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Electric Motor, Transformer, & Rel. Repairers	3	3	0	0	0
Electronics Repairers, Commercial & Ind. Equip.	59	62	3	3	6
Electrical Powerline Installers & Repairers	2	2	0	0	0
Electrical Installers & Repairers, Transportation Equipment	11	12	1	0	1
All Other Electrical Mechs./Installers/Repairers	6	6	0	0	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	36	37	1	2	3
Precision Instrument Repairers	32	35	3	1	4
Mechanical Control & Valve Installers & Repairers	40	42	2	2	4
Riggers	2	2	0	0	0
All Other Mechanics, Installers, & Repairers	69	72	3	5	8
Carpenters	38	41	3	4	7
Electricians	62	72	10	5	15
Stone Masons	1	1	0	0	0
Concrete & Terrazzo Finishers	4	4	0	0	0
Plasterers & Stucco Masons	1	1	0	0	0
Painters & Paperhangers - Construction & Maintenance	55	60	5	5	10
Plumbers, Pipefitters, & Steamfitters	29	32	3	2	5
Paving, Surfacing, & Tamping Equip. Opers.	51	61	10	5	15
Highway Maintenance Workers	128	152	24	14	38
Rail-Track Laying & Maintenance Equip. Opers.	1	1	0	0	0
Roofers	4	4	0	0	0
All Other Construction & Extraction Workers, Exc. Helpers	32	38	6	2	8
Precision Production Occupations	1	1	0	0	0
Tool & Die Makers	1	1	0	0	0
Machinists	3	3	0	0	0
Sheet Metal Workers	17	18	1	1	2
Cabinetmakers & Bench Carpenters	1	1	0	0	0
All Precision Textile & Apparel Workers	6	6	0	1	1
Precision Detail Design Decorators & Painters	2	2	0	0	0
Precision Dental Laboratory Technicians	3	3	0	0	0
Machine Setters, Set-Up Operators, Operators, & Tenders	8	9	1	0	1
Nonelectrolytic Coating Machine Operators - Metal & Plastic	26	27	1	2	3
Printing Press Machine Operators & Tenders	4	4	0	0	0
Laundry/Drycleaning Mach. Opers., Exc. Pressing	1	1	0	0	0
Welders & Cutters	5	5	0	0	0
Assemblers/Fabricators - Exc. Machine, Electrical & Precision	27	28	1	3	4
All Other Hand Workers	1	1	0	0	0
Water & Liquid Waste Treatment System Opers.	74	88	14	4	18
Stationary Engineers	21	23	2	2	4
All Other Plant & System Operators	38	44	6	3	9
Truck Drivers, Light - Incl. Delivery & Route	11	13	2	0	2
All Other Motor Vehicle Operators	60	63	3	4	7
Locomotive Engineers	1	1	0	0	0
Aircraft Pilots & Flight Engineers	15	16	1	0	1
Service Station Attendants	31	36	5	3	8
All Other Transportation & Related Workers	30	32	2	2	4
Crane & Tower Operators	5	5	0	0	0
Industrial Truck & Tractor Operators	19	20	1	1	2
Operating Engineers	254	301	47	22	69
All Other Transportation & Moving Equip. Operators	1	1	0	0	0
All Other Material Moving Equipment Operators	110	130	20	8	28
Mechanic & Repairer Helpers	1	1	0	0	0
Refuse Collectors	173	207	34	10	44
Hand Packers & Packagers	10	10	0	1	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Vehicle Washers & Equipment Cleaners	5	5	0	0	0
All Other Helpers & Laborers	375	420	45	42	87
TOTAL OF ALL OCCUPATIONS	18,612	21,143	2,531	2,380	4,911

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

PINAL COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	182	205	23	18	41
Financial Managers	10	11	1	1	2
Personnel, Training, & Labor Relations Mgrs.	4	4	0	0	0
Purchasing Managers	1	1	0	0	0
Administrative Services Managers	10	11	1	1	2
Engineering, Mathematical & Natural Sciences Managers	1	1	0	0	0
Postmasters & Mail Superintendents	18	19	1	4	5
Education Administrators	5	5	0	0	0
Medicine & Health Services Managers	15	17	2	0	2
Construction Managers	7	8	1	0	1
Transportation, Communications, & Utilities Operations Managers	3	3	0	0	0
Public Administration Executives, Legislators, & Administrators	51	60	9	6	15
General Managers & Top Executives	11	12	1	0	1
All Other Managers & Administrators	46	53	7	6	13
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	750	848	98	87	185
Accountants & Auditors	8	9	1	1	2
Budget Analysts	2	2	0	0	0
All Other Financial Specialists	2	2	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	10	10	0	0	0
Claims Takers, Unemployment Benefits	10	11	1	1	2
Employment Interviewers	3	3	0	0	0
Personnel, Training, & Labor Rel. Specialists	17	20	3	1	4
Construction & Building Inspectors	15	17	2	2	4
Compliance & Enforcement Inspectors, Exc. Const.	18	19	1	1	2
Assessors	15	17	2	4	6
All Other Management Support Workers	116	137	21	16	37
Civil Engineers, Incl. Traffic	8	8	0	0	0
All Other Engineers	1	1	0	0	0
Civil Engineering Technicians & Technologists	9	10	1	0	1
Electrical/Electronic Engineering Technicians	1	1	0	0	0
Drafters	11	13	2	0	2
Surveying & Mapping Techs.	4	4	0	0	0
All Other Engineering & Related Technicians	4	4	0	0	0
Foresters & Conservation Scientists	7	7	0	0	0
Agricultural & Food Scientists	8	8	0	1	1
Biological Scientists	1	1	0	0	0
Systems Analysts, Electronic Data Processing	7	8	1	0	1
Computer Programmers	2	2	0	0	0
Urban & Regional Planners	5	5	0	0	0
Psychologists	5	5	0	0	0
Social Workers, Medical & Psychiatric	2	2	0	0	0
Social Workers, Exc. Medical & Psychiatric	27	31	4	4	8
Social Service Technicians	84	99	15	7	22
Recreation Workers	16	18	2	1	3
Judges & Magistrates	36	42	6	10	16
Adjudicators, Hearing Officers, & Related	3	3	0	0	0
Lawyers	22	26	4	2	6
All Legal Assistants/Techs., Exc. Clerical	2	2	0	0	0
Teachers & Instructors, Voc. Ed. & Training	18	20	2	3	5
Librarians, Professional	12	13	1	2	3
Technical Assistants, Library	1	1	0	0	0
Vocational & Educational Counselors	5	5	0	0	0
Physicians & Surgeons	6	6	0	0	0
Therapists	10	11	1	1	2
Registered Nurses	63	71	8	11	19
Licensed Practical Nurses	37	42	5	7	12
Emergency Medical Technicians	21	25	4	4	8
Physician Assistants	1	1	0	0	0
Dietitians & Nutritionists	2	2	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

PINAL COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Medical & Clinical Laboratory Technologists	2	2	0	0	0
Medical Records Technicians & Technologists	2	2	0	0	0
Radiologic Technicians	2	2	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	29	34	5	5	10
Traffic Technicians	1	1	0	0	0
Radio Operators	3	3	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	54	60	6	3	9
SALES & RELATED OCCUPATIONS	14	14	0	1	1
First Line Supervisors & Managers - Sales	1	1	0	0	0
Cashiers	13	13	0	1	1
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	781	881	100	113	213
First Line Supers.-Clerical & Admin. Support	19	21	2	2	4
Insurance Claims Clerks	6	6	0	1	1
Welfare Eligibility Workers & Interviewers	30	35	5	5	10
Court Clerks	30	35	5	6	11
Municipal Clerks	19	22	3	2	5
License Clerks	8	9	1	1	2
Library Assistants & Bookmobile Drivers	22	26	4	2	6
Real Estate Clerks	2	2	0	0	0
Secretaries	86	99	13	18	31
Stenographers	10	11	1	1	2
Receptionists & Information Clerks	21	24	3	3	6
Typists	96	111	15	24	39
Typists, Word Processing Equipment	4	4	0	0	0
Personnel Clerks, Exc. Payroll & Timekeeping	2	2	0	0	0
File Clerks	3	3	0	0	0
Procurement Clerks	2	2	0	0	0
Statistical Clerks	2	2	0	0	0
Interviewing Clerks, Exc. Personnel & Welfare	4	4	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	68	79	11	12	23
Payroll & Timekeeping Clerks	2	2	0	0	0
Billing, Cost & Rate Clerks	4	4	0	0	0
General Office Clerks	84	99	15	17	32
Computer Operators, Exc. Peripheral Equipment	5	5	0	0	0
Peripheral EDP Equipment Operators	1	1	0	0	0
Data Entry Keyers, Exc. Composing	6	7	1	0	1
All Other Office Machine Operators	2	2	0	0	0
Switchboard Operators	18	20	2	3	5
Mail Clerks, Exc. Mail Machine Operators & Postal Service	1	1	0	0	0
Postal Mail Carriers	44	46	2	3	5
Postal Service Clerks	13	13	0	1	1
Messengers	5	5	0	0	0
Dispatchers - Police, Fire, & Ambulance	57	68	11	6	17
Production, Planning, & Expediting Clerks	3	3	0	0	0
Meter Readers, Utilities	1	1	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	17	18	1	1	2
Traffic, Shipping, & Receiving Clerks	50	52	2	5	7
All Other Material Recording/Scheduling/Dist.	2	2	0	0	0
All Other Clerical & Administrative Support	32	35	3	0	3
SERVICE OCCUPATIONS	1,894	2,238	344	367	711
Police & Detective Supervisors	61	72	11	2	13
All Other Service Supervisors & Managers	151	178	27	29	56
Forest Fire Inspectors & Prev. Specialists	1	1	0	0	0
Fire Fighters	62	73	11	3	14
Police Detectives	23	27	4	0	4
Police Patrol Officers	105	124	19	5	24
Correction Officers & Jailers	829	988	159	188	347

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

PINAL COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Bailiffs	3	3	0	0	0
Criminal Investigators, Federal	1	1	0	0	0
Sheriffs & Deputy Sheriffs	67	79	12	5	17
Game Wardens	5	5	0	0	0
Guards & Watch Guards	3	3	0	0	0
All Other Protective Service Workers	9	9	0	1	1
Cooks, Institution or Cafeteria	26	29	3	3	6
Dental Assistants	3	3	0	0	0
Medical Assistants	19	22	3	4	7
Nursing Aides, Orderlies, & Attendants	74	87	13	16	29
Home Health Aides	2	2	0	0	0
All Other Health Service Workers	6	6	0	0	0
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	65	76	11	11	22
Janitors & Cleaners, Exc. Maids & Housekeeping	5	5	0	0	0
Amusement & Recreation Attendants	7	8	1	0	1
Child Care Workers	361	430	69	99	168
All Other Service Workers	6	7	1	1	2
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	64	72	8	10	18
First Line Supervisors - Agri., Forestry, & Rel.	1	1	0	0	0
Forest & Conservation Workers	1	1	0	0	0
Gardeners & Groundskeepers, Exc. Farm	42	49	7	7	14
Animal Caretakers, Exc. Farm	10	11	1	2	3
All Other Agri., Forestry, Fishing, & Related	10	10	0	1	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	397	442	45	21	66
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	19	21	2	1	3
First Line Managers/Supervisors - Construction Trades & Extraction Workers	25	29	4	2	6
First Line Mgrs./Supers. - Transport. Operatives	3	3	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	2	2	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	2	2	0	0	0
All Other Machinery Maintenance Mechanics	2	2	0	0	0
Machinery Maintenance Workers	2	2	0	0	0
Maintenance Repairers, General Utility	39	43	4	1	5
Automotive Mechanics	4	4	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	2	2	0	0	0
Mobile Heavy Equip. Mechanics, Exc. Engines	26	28	2	0	2
Powerhouse, Substation, & Relay Electricians	2	2	0	0	0
All Other Electrical Mechs./Installers/Repairers	9	9	0	0	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	4	4	0	0	0
All Other Mechanics, Installers, & Repairers	1	1	0	0	0
Carpenters	2	2	0	0	0
Electricians	6	6	0	0	0
Painters & Paperhangers - Construction & Maintenance	2	2	0	0	0
Plumbers, Pipefitters, & Steamfitters	5	5	0	0	0
Highway Maintenance Workers	112	133	21	12	33
Precision Production Occupations	1	1	0	0	0
Machinists	1	1	0	0	0
Hand Working, Inc. Assemblers & Fabricators	3	3	0	0	0
Water & Liquid Waste Treatment System Opers.	11	13	2	0	2
Power Distributors & Dispatchers	6	6	0	0	0
All Other Plant & System Operators	8	9	1	0	1
All Motor Vehicle Operators	6	6	0	0	0
Bridge, Lock, & Lighthouse Tenders	1	1	0	0	0
Service Station Attendants	2	2	0	0	0
Crane & Tower Operators	1	1	0	0	0
Industrial Truck & Tractor Operators	4	4	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

PINAL COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1990	JOB OPENINGS DUE TO SEPARATIONS 1985-1990	TOTAL JOB OPENINGS 1985-1990
Operating Engineers	29	32	3	1	4
Refuse Collectors	15	17	2	0	2
All Other Helpers & Laborers	60	60	0	0	0
TOTAL OF ALL OCCUPATIONS	6,082	6,700	618	417	1,035

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

SANTA CRUZ COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	33	34	1	1	2
Financial Managers	2	2	0	0	0
Administrative Services Managers	1	1	0	0	0
Engineering, Mathematical & Natural Sciences Managers	1	1	0	0	0
Postmasters & Mail Superintendents	6	6	0	1	1
Construction Managers	2	2	0	0	0
Public Administration Executives, Legislators, & Administrators	3	3	0	0	0
General Managers & Top Executives	9	10	1	0	1
All Other Managers & Administrators	9	9	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	186	193	7	16	23
Loan Officers & Counselors	1	1	0	0	0
Accountants & Auditors	1	1	0	0	0
Claims Takers, Unemployment Benefits	2	2	0	0	0
Employment Interviewers	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	1	1	0	0	0
Compliance & Enforcement Inspectors, Exc. Const.	100	104	4	13	17
Tax Examiners, Collectors, & Revenue Agents	2	2	0	0	0
Assessors	1	1	0	0	0
All Other Management Support Workers	4	4	0	0	0
All Engineers	1	1	0	0	0
Civil Engineering Technicians & Technologists	3	3	0	0	0
Electrical/Electronic Engineering Technicians	1	1	0	0	0
Surveying & Mapping Techs.	4	4	0	0	0
All Other Engineering & Related Technicians	1	1	0	0	0
Physicists & Astronomers	1	1	0	0	0
Foresters & Conservation Scientists	3	3	0	0	0
Biological Scientists	13	13	0	1	1
All Other Physical & Life Science Techs.	1	1	0	0	0
Economists, Incl. Market Research Analysts	1	1	0	0	0
Social Service Technicians	6	7	1	0	1
Recreation Workers	8	9	1	1	2
Paralegal Personnel	2	2	0	0	0
All Other Legal Assistants/Techs., Exc. Clerical	1	1	0	0	0
Librarians, Professional	2	2	0	0	0
Physicians & Surgeons	1	1	0	0	0
Veterinarians & Veterinary Inspectors	1	1	0	0	0
Registered Nurses	1	1	0	0	0
Emergency Medical Technicians	2	2	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	1	1	0	0	0
Public Rel. Specialists & Publicity Writers	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	18	19	1	1	2
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	148	156	8	14	22
First Line Supers.-Clerical & Admin. Support	4	4	0	0	0
Insurance Claims Clerks	2	2	0	0	0
Welfare Eligibility Workers & Interviewers	10	10	0	0	0
Court Clerks	4	4	0	0	0
Municipal Clerks	8	9	1	1	2
License Clerks	9	10	1	1	2
Secretaries	13	14	1	2	3
Stenographers	1	1	0	0	0
Receptionists & Information Clerks	6	6	0	1	1
Typists	13	13	0	3	3
Bookkeeping, Accounting, & Auditing Clerks	10	11	1	2	3
Payroll & Timekeeping Clerks	1	1	0	0	0
General Office Clerks	15	17	2	2	4
Postal Mail Carriers	12	12	0	1	1
Postal Service Clerks	3	3	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

SANTA CRUZ COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Dispatchers - Police, Fire, & Ambulance	8	9	1	0	1
Traffic, Shipping, & Receiving Clerks	12	12	0	1	1
All Other Clerical & Administrative Support	17	18	1	0	1
SERVICE OCCUPATIONS	212	234	22	11	33
Police & Detective Supervisors	16	16	0	0	0
All Other Service Supervisors & Managers	1	1	0	0	0
Fire Fighters	71	84	13	4	17
Police Detectives	14	14	0	0	0
Police Patrol Officers	48	50	2	2	4
Correction Officers & Jailers	13	15	2	2	4
Criminal Investigators, Federal	6	6	0	1	1
Sheriffs & Deputy Sheriffs	25	29	4	2	6
Game Wardens	4	4	0	0	0
All Other Protective Service Workers	2	2	0	0	0
Home Health Aides	8	9	1	0	1
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	2	2	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	1	1	0	0	0
Social Welfare Service Aides	1	1	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	47	53	6	6	12
First Line Supervisors - Agri., Forestry, & Rel.	1	1	0	0	0
Forest & Conservation Workers	10	10	0	0	0
Gardeners & Groundskeepers, Exc. Farm	36	42	6	6	12
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	185	213	28	17	45
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	1	1	0	0	0
First Line Managers/Supervisors - Construction Trades & Extraction Workers	13	15	2	1	3
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	6	7	1	1	2
Maintenance Repairers, General Utility	11	11	0	0	0
Automotive Mechanics	2	2	0	0	0
All Other Mechanics, Installers, & Repairers	1	1	0	0	0
Electricians	2	2	0	0	0
Plumbers, Pipefitters, & Steamfitters	1	1	0	0	0
Highway Maintenance Workers	76	89	13	8	21
All Motor Vehicle Operators	1	1	0	0	0
Operating Engineers	5	5	0	0	0
All Helpers & Laborers	66	78	12	7	19
TOTAL OF ALL OCCUPATIONS	811	883	72	65	137

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

YAVAPAI COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	167	186	19	16	35
Financial Managers	8	9	1	0	1
Personnel, Training, & Labor Relations Mgrs.	3	3	0	0	0
Administrative Services Managers	5	5	0	0	0
Engineering, Mathematical & Natural Sciences Managers	6	6	0	0	0
Postmasters & Mail Superintendents	21	22	1	5	6
Education Administrators	3	3	0	0	0
Medicine & Health Services Managers	20	21	1	2	3
Property & Real Estate Managers & Admin.	1	1	0	0	0
Transportation, Communications, & Utilities Operations Managers	4	4	0	0	0
Public Administration Executives, Legislators, & Administrators	22	26	4	2	6
General Managers & Top Executives	28	33	5	2	7
All Other Managers & Administrators	46	53	7	5	12
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	610	655	45	62	107
Accountants & Auditors	9	10	1	1	2
Budget Analysts	1	1	0	0	0
All Other Financial Specialists					
Purchasing Agents, Exc. Wholesale, Retail,	1	1	0	0	0
& Farm	7	7	0	0	0
Claims Takers, Unemployment Benefits	8	9	1	1	2
Employment Interviewers	2	2	0	0	0
Personnel, Training, & Labor Rel. Specialists	10	10	0	0	0
Management Analysts	1	1	0	0	0
Construction & Building Inspectors	17	20	3	2	5
Compliance & Enforcement Inspectors, Exc. Const.	14	15	1	1	2
Tax Examiners, Collectors, & Revenue Agents	4	4	0	0	0
Assessors	2	2	0	0	0
All Other Management Support Workers	25	28	3	3	6
Civil Engineers, Incl. Traffic	19	21	2	1	3
Agricultural Engineers	1	1	0	0	0
Safety Engineers, Exc. Mining	1	1	0	0	0
All Other Engineers	1	1	0	0	0
Surveying & Mapping Scientists	11	12	1	0	1
Civil Engineering Technicians & Technologists	14	16	2	1	3
Electrical/Electronic Engineering Technicians	3	3	0	0	0
Drafters	2	2	0	0	0
Surveying & Mapping Techs.	20	22	2	0	2
All Other Engineering & Related Technicians	3	3	0	0	0
Chemists, Exc. Biochemists	1	1	0	0	0
Geologists, Geophysicists, & Oceanographers	1	1	0	0	0
Foresters & Conservation Scientists	18	19	1	1	2
Agricultural & Food Scientists	5	5	0	0	0
Biological Scientists	3	3	0	0	0
Physical & Life Science Technicians & Technologists	10	11	1	1	2
Biological, Agri., & Food Techs., Exc. Health	2	2	0	0	0
Systems Analysts, Electronic Data Processing	4	4	0	0	0
Computer Programmers	3	3	0	0	0
Computer Programmer Aides	3	3	0	0	0
Urban & Regional Planners	3	3	0	0	0
Psychologists	2	2	0	0	0
Social Workers, Exc. Medical & Psychiatric	5	5	0	0	0
Social Service Technicians	12	14	2	1	3
Recreation Workers	5	5	0	0	0
Clergy	1	1	0	0	0
Judges & Magistrates	12	14	2	3	5
Adjudicators, Hearing Officers, & Related	2	2	0	0	0
Lawyers	11	13	2	1	3
Law Clerks	6	7	1	0	1
All Other Legal Assistants/Techs., Exc. Clerical	3	3	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

YAVAPAI COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Teachers & Instructors, Voc. Ed. & Training	2	2	0	0	0
Librarians, Professional	6	6	0	1	1
Technical Assistants, Library	3	3	0	0	0
Vocational & Educational Counselors	2	2	0	0	0
Instructional Coordinators	1	1	0	0	0
Physicians & Surgeons	15	16	1	2	3
Dentists	2	2	0	0	0
Occupational Therapists	1	1	0	0	0
Physical Therapists	3	3	0	0	0
Corrective & Manual Arts Therapists	1	1	0	0	0
Recreational Therapists	1	1	0	0	0
Registered Nurses	111	118	7	20	27
Licensed Practical Nurses	51	56	5	11	16
Emergency Medical Technicians	6	7	1	1	2
Pharmacists	7	7	0	1	1
Dietitians & Nutritionists	6	6	0	0	0
Medical & Clinical Laboratory Technologists	10	10	0	1	1
Medical Records Technicians & Technologists	4	4	0	1	1
Radiologic Technicians	5	5	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	23	25	2	4	6
Airplane Dispatchers & Air Traffic Controllers	11	11	0	0	0
Traffic Technicians	2	2	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	49	53	4	3	7
SALES & RELATED OCCUPATIONS	22	24	2	3	5
First Line Supervisors & Managers - Sales	2	2	0	0	0
Appraisers, Real Estate	11	13	2	2	4
Salespersons, Retail	2	2	0	0	0
Cashiers	6	6	0	1	1
All Other Sales & Related Workers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	556	610	54	76	130
First Line Supers.-Clerical & Admin. Support	22	24	2	1	3
Insurance Claims Clerks	6	6	0	1	1
Welfare Eligibility Workers & Interviewers	12	14	2	2	4
Court Clerks	18	21	3	3	6
Municipal Clerks	3	3	0	0	0
License Clerks	3	3	0	0	0
Library Assistants & Bookmobile Drivers	4	4	0	0	0
Secretaries	77	87	10	17	27
Stenographers	4	4	0	0	0
Receptionists & Information Clerks	17	18	1	3	4
Typists	69	79	10	17	27
Typists, Word Processing Equipment	1	1	0	0	0
Personnel Clerks, Exc. Payroll & Timekeeping	4	4	0	0	0
Interviewing Clerks, Exc. Personnel & Welfare	14	14	0	2	2
Bookkeeping, Accounting, & Auditing Clerks	32	36	4	4	8
Payroll & Timekeeping Clerks	5	5	0	0	0
General Office Clerks	44	51	7	8	15
Computer Operators, Exc. Peripheral Equipment	1	1	0	0	0
Data Entry Keyers, Exc. Composing	5	5	0	0	0
All Other Office Machine Operators	2	2	0	0	0
Switchboard Operators	4	4	0	0	0
Telegraph & Teletype Operators	1	1	0	0	0
Mail Clerks, Exc. Mail Machine Operators & Postal Service	6	6	0	1	1
Postal Mail Carriers	35	37	2	3	5
Postal Service Clerks	8	8	0	1	1
Dispatchers - Police, Fire, & Ambulance	37	44	7	4	11
Production, Planning, & Expediting Clerks	25	26	1	5	6
Meter Readers, Utilities	4	4	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

YAVAPAI COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Stock Clerks - Stockroom, Warehouse, or Yard	9	9	0	0	0
Traffic, Shipping, & Receiving Clerks	42	44	2	4	6
All Other Clerical & Administrative Support	42	45	3	0	3
SERVICE OCCUPATIONS	780	900	120	84	204
Fire Fighting & Prevention Supervisors	61	72	11	3	14
Police & Detective Supervisors	42	49	7	1	8
All Other Service Supervisors & Managers	16	17	1	2	3
Fire Inspectors	13	15	2	0	2
Fire Fighters	22	26	4	1	5
Police Detectives	6	7	1	0	1
Police Patrol Officers	100	118	18	4	22
Correction Officers & Jailers	33	39	6	7	13
Parking Enforcement Officers	1	1	0	0	0
Bailiffs	1	1	0	0	0
Sheriffs & Deputy Sheriffs	43	51	8	3	11
Game Wardens	6	7	1	0	1
Guards & Watch Guards	2	2	0	0	0
All Other Protective Service Workers	6	6	0	0	0
Cooks, Institution or Cafeteria	13	13	0	0	0
Food Preparation Workers	21	25	4	3	7
Combined Food Preparation & Service Workers	49	51	2	8	10
Dental Assistants	2	2	0	0	0
Nursing Aides, Orderlies, & Attendants	61	70	9	12	21
Home Health Aides	1	1	0	0	0
Pharmacy Assistants	4	4	0	0	0
All Other Health Service Workers	5	5	0	0	0
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	20	22	2	2	4
Janitors & Cleaners, Exc. Maids & Housekeeping	24	25	1	4	5
Barbers	1	1	0	0	0
Amusement & Recreation Attendants	227	270	43	34	77
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	96	102	6	7	13
First Line Supervisors - Agri., Forestry, & Rel.	14	14	0	1	1
Forest & Conservation Workers	44	46	2	3	5
Gardeners & Groundskeepers, Exc. Farm	18	20	2	2	4
Animal Caretakers, Exc. Farm	9	10	1	1	2
All Other Agri., Forestry, Fishing, & Related	11	12	1	0	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	364	407	43	21	64
First Line Managers/Supervisors - Mechanics/Installers/Repairers	16	17	1	1	2
First Line Managers/Supervisors - Construction Trades & Extraction Workers	10	11	1	0	1
First Line Mgrs./Supers. - Transport. Operatives	1	1	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	6	7	1	1	2
All Machinery Maintenance Mechanics	9	10	1	0	1
Machinery Maintenance Workers	1	1	0	0	0
Maintenance Repairers, General Utility	40	45	5	2	7
Automotive Mechanics	5	5	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	3	3	0	0	0
Mobile Heavy Equip. Mechanics, Exc. Engines	12	14	2	0	2
Precision Instrument Repairers	4	4	0	0	0
Electromedical & Biomedical Equip. Repairers	3	3	0	0	0
Mechanical Control & Valve Installers & Repairers	4	4	0	0	0
All Other Mechanics, Installers, & Repairers	4	4	0	0	0
Carpenters	4	4	0	0	0
Electricians	4	4	0	0	0
Stone Masons	1	1	0	0	0
Painters & Paperhangers - Construction & Maintenance	3	3	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

YAVAPAI COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Plumbers, Pipefitters, & Steamfitters	2	2	0	0	0
Paving, Surfacing, & Tamping Equip. Opers.	75	89	14	8	22
Highway Maintenance Workers	53	62	9	5	14
Insulation Workers	1	1	0	0	0
All Other Construction & Extraction Workers, Exc. Helpers	2	2	0	0	0
Precision Dental Laboratory Technicians	1	1	0	0	0
Sewing Machine Operators, Garment	1	1	0	0	0
Laundry/Drycleaning Mach. Opers., Exc. Pressing	1	1	0	0	0
Water & Liquid Waste Treatment System Opers.	6	7	1	0	1
Stationary Engineers	5	5	0	0	0
All Other Plant & System Operators	1	1	0	0	0
Truck Drivers, Heavy or Tractor Trailer	3	3	0	0	0
Bus Drivers	4	4	0	0	0
All Other Motor Vehicle Operators	4	4	0	0	0
All Other Transportation & Related Workers	11	13	2	1	3
Industrial Truck & Tractor Operators	1	1	0	0	0
Operating Engineers	21	23	2	0	2
Refuse Collectors	6	7	1	0	1
All Other Helpers & Laborers	36	39	3	3	6
TOTAL OF ALL OCCUPATIONS	2,595	2,884	289	269	558

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

YUMA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	118	129	11	9	20
Financial Managers	9	9	0	0	0
Personnel, Training, & Labor Relations Mgrs.	2	2	0	0	0
Purchasing Managers	1	1	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	2	2	0	0	0
Administrative Services Managers	11	12	1	0	1
Engineering, Mathematical & Natural Sciences Managers	7	7	0	1	1
Postmasters & Mail Superintendents	15	16	1	3	4
Education Administrators	1	1	0	0	0
Medicine & Health Services Managers	2	2	0	0	0
Property & Real Estate Managers & Admin.	2	2	0	0	0
Construction Managers	3	3	0	0	0
Transportation, Communications, & Utilities Operations Managers	7	8	1	0	1
Public Administration Executives, Legislators, & Administrators	8	9	1	0	1
General Managers & Top Executives	29	34	5	3	8
All Other Managers & Administrators	19	21	2	2	4
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,106	1,172	66	84	150
Loan Officers & Counselors	1	1	0	0	0
Accountants & Auditors	28	29	1	3	4
Budget Analysts	15	15	0	1	1
All Other Financial Specialists	18	21	3	1	4
Purchasing Agents, Exc. Wholesale, Retail, & Farm	26	27	1	3	4
Claims Takers, Unemployment Benefits	20	23	3	2	5
Employment Interviewers	9	10	1	1	2
Personnel, Training, & Labor Rel. Specialists	22	23	1	1	2
Management Analysts	11	11	0	1	1
Construction & Building Inspectors	22	24	2	2	4
Compliance & Enforcement Inspectors, Exc. Const.	83	94	11	9	20
Tax Examiners, Collectors, & Revenue Agents	4	4	0	0	0
Assessors	2	2	0	0	0
All Other Management Support Workers	50	57	7	6	13
Aeronautical and Astronautical Engineers	2	2	0	0	0
Chemical Engineers	1	1	0	0	0
Civil Engineers, Incl. Traffic	25	27	2	2	4
Agricultural Engineers	1	1	0	0	0
Electrical & Electronic Engineers	18	19	1	1	2
Safety Engineers, Exc. Mining	5	5	0	0	0
Mechanical Engineers	2[illegible]	24	1	1	2
All Other Engineers	35	37	2	2	4
Architects, Exc. Landscape & Marine	1	1	0	0	0
Surveying & Mapping Scientists	2	2	0	0	0
Civil Engineering Technicians & Technologists	20	23	3	2	5
Electrical/Electronic Engineering Technicians	60	62	2	3	5
Industrial Engineering Techs.	1	1	0	0	0
Drafters	6	6	0	0	0
Surveying & Mapping Techs.	35	38	3	1	4
All Other Engineering & Related Technicians	114	119	5	12	17
Chemists, Exc. Biochemists	3	3	0	0	0
Atmospheric & Space Scientists	1	1	0	0	0
Geologists, Geophysicists, & Oceanographers	3	3	0	0	0
All Other Physical Scientists	2	2	0	0	0
Foresters & Conservation Scientists	14	14	0	0	0
Agricultural & Food Scientists	6	6	0	0	0
Biological Scientists	12	12	0	1	1
Medical Scientists	1	1	0	0	0
All Other Life Scientists					
Physical & Life Science Technicians &	3	3	0	0	0
Technologists	5	5	0	0	0
Biological, Agri., & Food Techs., Exc. Health	4	4	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

YUMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Other Physical & Life Science Techs.	29	30	1	3	4
Systems Analysts, Electronic Data Processing	24	25	1	0	1
Computer Programmers	1	1	0	0	0
Computer Programmer Aides	10	10	0	0	0
Operations & Systems Analysts, Exc. Computer	1	1	0	0	0
All Mathematical Scientists	12	12	0	0	0
Mathematical Technicians	10	10	0	0	0
Economists, Incl. Market Research Analysts	1	1	0	0	0
Urban & Regional Planners	5	5	0	0	0
Psychologists	1	1	0	0	0
All Other Social Scientists	3	3	0	0	0
Social Workers, Medical & Psychiatric	1	1	0	0	0
Social Workers, Exc. Medical & Psychiatric	2	2	0	0	0
Social Service Technicians	20	23	3	1	4
Recreation Workers	34	36	2	4	6
Judges & Magistrates	10	11	1	2	3
Lawyers	9	10	1	1	2
Paralegal Personnel	4	4	0	0	0
All Other Legal Assistants/Techs., Exc. Clerical	12	12	0	2	2
Teachers & Instructors, Voc. Ed. & Training	5	5	0	1	1
Farm & Home Management Advisors	1	1	0	0	0
Librarians, Professional	9	9	0	1	1
Technical Assistants, Library	1	1	0	0	0
Vocational & Educational Counselors	3	3	0	0	0
Teacher Aides, Paraprofessional	2	2	0	0	0
Physicians & Surgeons	3	3	0	0	0
Registered Nurses	21	22	1	3	4
Licensed Practical Nurses	4	4	0	0	0
Physician Assistants	1	1	0	0	0
Dietitians & Nutritionists	3	3	0	0	0
Medical & Clinical Laboratory Technologists	2	2	0	0	0
Tire Building Machine Operators	4	4	0	1	1
Radiologic Technicians	1	1	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	9	10	1	1	2
Writers & Editors	3	3	0	0	0
Photographers	10	10	0	1	1
Airplane Dispatchers & Air Traffic Controllers	7	7	0	0	0
Traffic Technicians	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	113	119	6	8	14
SALES & RELATED OCCUPATIONS	27	29	2	2	4
First Line Supervisors & Managers - Sales	1	1	0	0	0
Appraisers, Real Estate	11	12	1	1	2
Salespersons, Retail	5	5	0	0	0
Cashiers	9	10	1	1	2
All Other Sales & Related Workers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	969	1,045	76	138	214
First Line Supers.-Clerical & Admin. Support	37	40	3	4	7
Insurance Claims Clerks	5	5	0	1	1
Welfare Eligibility Workers & Interviewers	31	36	5	5	10
Court Clerks	4	4	0	0	0
Municipal Clerks	4	4	0	0	0
License Clerks	37	44	7	8	15
Travel Clerks	1	1	0	0	0
Real Estate Clerks	11	11	0	2	2
Secretaries	145	158	13	32	45
Stenographers	5	5	0	0	0
Receptionists & Information Clerks	2	2	0	0	0
Typists	102	111	9	25	34
Personnel Clerks, Exc. Payroll & Timekeeping	11	11	0	3	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

YUMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Order Clerks - Materials, Merch., & Service	1	1	0	0	0
Procurement Clerks	9	9	0	1	1
Interviewing Clerks, Exc. Personnel & Welfare	4	4	0	0	0
Customer Service Representatives, Utilities	5	5	0	1	1
Bookkeeping, Accounting, & Auditing Clerks	80	86	6	15	21
Payroll & Timekeeping Clerks	10	10	0	1	1
Billing, Cost & Rate Clerks	3	3	0	0	0
General Office Clerks	48	56	8	9	17
Computer Operators, Exc. Peripheral Equipment	7	8	1	0	1
Data Entry Keyers, Exc. Composing	5	5	0	0	0
All Other Office Machine Operators	1	1	0	0	0
Switchboard Operators	7	7	0	1	1
All Other Communication Equipment Operators	8	8	0	1	1
Mail Clerks, Exc. Mail Machine Operators & Postal Service	12	12	0	2	2
Postal Mail Carriers	67	70	3	5	8
Postal Service Clerks	14	14	0	1	1
Dispatchers - Police, Fire, & Ambulance	31	36	5	3	8
Dispatchers - Exc. Police, Fire, & Ambulance	9	10	1	0	1
Production, Planning, & Expediting Clerks	15	16	1	3	4
Meter Readers, Utilities	4	4	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	71	74	3	7	10
Traffic, Shipping, & Receiving Clerks	56	58	2	6	8
All Other Material Recording/Scheduling/Dist.	5	5	0	0	0
All Other Clerical & Administrative Support	102	111	9	2	11
SERVICE OCCUPATIONS	712	791	79	51	130
Fire Fighting & Prevention Supervisors	23	25	2	0	2
Police & Detective Supervisors	59	66	7	2	9
All Other Service Supervisors & Managers	15	16	1	3	4
Fire Inspectors	2	2	0	0	0
Fire Fighters	85	95	10	4	14
Police Detectives	19	20	1	0	1
Police Patrol Officers	254	282	28	12	40
Correction Officers & Jailers	55	65	10	12	22
Bailiffs	3	3	0	0	0
U.S. Marshalls	1	1	0	0	0
Criminal Investigators, Federal	14	14	0	3	3
Sheriffs & Deputy Sheriffs	27	32	5	2	7
Game Wardens	21	24	3	1	4
Guards & Watch Guards	35	37	2	2	4
All Other Protective Service Workers	13	14	1	1	2
Butchers & Meat Cutters	4	4	0	0	0
Cooks, Institution or Cafeteria	2	2	0	0	0
Dental Assistants	1	1	0	0	0
Nursing Aides, Orderlies, & Attendants	8	8	0	1	1
Home Health Aides	7	8	1	0	1
All Other Health Service Workers	2	2	0	0	0
Cleaning & Bldg. Svc. Occupations, Exc. Private Households	20	23	3	3	6
Janitors & Cleaners, Exc. Maids & Housekeeping	4	4	0	0	0
Pest Controllers & Assistants	2	2	0	0	0
Amusement & Recreation Attendants	16	19	3	2	5
Social Welfare Service Aides	11	12	1	1	2
Child Care Workers	9	10	1	2	3
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	87	98	11	12	23
First Line Supervisors - Agri., Forestry, & Rel.	2	2	0	0	0
Forest & Conservation Workers	5	5	0	0	0
Gardeners & Groundskeepers, Exc. Farm	53	63	10	10	20
Animal Caretakers, Exc. Farm	2	2	0	0	0
All Other Agri., Forestry, Fishing, & Related	25	26	1	2	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

YUMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	841	902	61	50	111
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	43	48	5	6	11
First Line Managers/Supervisors - Construction Trades & Extraction Workers	14	15	1	0	1
First Line Mgrs./Supers. - Production & Opers.	4	4	0	0	0
First Line Mgrs./Supers. - Transport. Operatives	13	13	0	2	2
First Line Mgrs./Supers. - Laborers & Helpers	3	3	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	5	5	0	0	0
Precision Inspectors, Testers, & Graders	30	32	2	3	5
Production Inspectors, Testers, & Graders	6	6	0	0	0
All Other Inspectors, Testers, & Related	1	1	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	14	16	2	1	3
All Other Machinery Maintenance Mechanics	12	12	0	0	0
Electrical Installers & Repairers, Transportation Equipment	2	2	0	0	0
Maintenance Repairers, General Utility	67	72	5	5	10
Automotive Mechanics	37	39	2	2	4
Bus & Truck Mechs., & Diesel Eng. Specialists	11	12	1	0	1
Mobile Heavy Equip. Mechanics, Exc. Engines	34	36	2	1	3
Central Office & PBX Installers & Repairers	1	1	0	0	0
Electric Motor, Transformer, & Rel. Repairers	1	1	0	0	0
Electronics Repairers, Commercial & Ind. Equip.	32	34	2	1	3
Powerhouse, Substation, & Relay Electricians	1	1	0	0	0
Electrical Powerline Installers & Repairers	7	7	0	0	0
All Other Electrical Mechs./Installers/Repairers	4	4	0	0	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	11	11	0	1	1
Precision Instrument Repairers	7	7	0	0	0
Electric Meter Installers & Repairers	4	4	0	0	0
Locksmiths & Safe Repairers	2	2	0	0	0
Mechanical Control & Valve Installers & Repairers	13	14	1	0	1
All Other Mechanics, Installers, & Repairers	34	37	3	2	5
Carpenters	16	17	1	1	2
Electricians	11	11	0	1	1
Painters & Paperhangers - Construction & Maintenance	4	4	0	0	0
Plumbers, Pipefitters, & Steamfitters	9	9	0	0	0
Paving, Surfacing, & Tamping Equip. Opers.	2	2	0	0	0
Highway Maintenance Workers	44	51	7	4	11
All Extraction Workers, Exc. Helpers	3	3	0	0	0
All Other Construction & Extraction Workers, Exc. Helpers	11	12	1	0	1
Precision Production Occupations	1	1	0	0	0
Machinists	6	6	0	0	0
Sheet Metal Workers	1	1	0	0	0
All Precision Textile & Apparel Workers	2	2	0	0	0
Precision Detail Design Decorators & Painters	1	1	0	0	0
Photoengraving & Lithographing Photographers	1	1	0	0	0
Printing Press Machine Operators & Tenders	1	1	0	0	0
Chemical Equipment Controllers & Operators	2	2	0	0	0
Hand Working, Inc. Assemblers & Fabricators	4	4	0	0	0
Welders & Cutters	7	7	0	0	0
Assemblers/Fabricators - Exc. Machine, Electrical & Precision	2	2	0	0	0
All Other Hand Workers	14	14	0	1	1
Water & Liquid Waste Treatment System Opers.	23	27	4	1	5
All Other Plant & System Operators	6	6	0	0	0
Truck Drivers, Heavy or Tractor Trailer	14	16	2	1	3
All Other Motor Vehicle Operators	48	50	2	3	5

ESTIMATED EMPLOYMENT AND JOB OPENINGS

GOVERNMENT

YUMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Aircraft Pilots & Flight Engineers	3	3	0	0	0
Bridge, Lock, & Lighthouse Tenders	2	2	0	1	1
Service Station Attendants	6	6	0	0	0
Crane & Tower Operators	4	4	0	0	0
Industrial Truck & Tractor Operators	13	15	2	0	2
Operating Engineers	62	69	7	5	12
All Other Transportation & Moving Equip. Operators	10	10	0	0	0
Refuse Collectors	15	17	2	0	2
All Freight & Material Movers, Hand	1	1	0	0	0
Hand Packers & Packagers	3	3	0	0	0
All Other Helpers & Laborers	76	83	7	8	15
TOTAL OF ALL OCCUPATIONS	3,860	4,166	306	346	652

METHODOLOGY

Sample Selection and Response Rates

Standardized sampling techniques were utilized to obtain occupational employment data for local governments. A usable response rate of 94.9 percent was obtained accounting for 98.3 percent of total employment. It was unnecessary to draw a sample of civilian federal installations as the universe of employment was reported by the U.S. Civil Service Commission. The universe of state occupational employment was reported by the Department of Administration. Excluded from survey data are state and local government employment at educational facilities and hospitals.

Employment Projections

Projecting occupational employment and demand is accomplished in two basic stages. First, government employment estimates are developed for the target years 1985 and 1989. These forecasts are computed using an econometric model driven by forecast values for variables such as national unemployment, interest rates, and industrial production. Staffing pattern ratios, as determined by the OES survey and other resourses, are then applied to the industry employment projections and represents the second stage of the forecasting methodology.

Job Openings

"Total Job Openings" represents the sum of openings resulting from expansion and replacement during the projection period. Expansion is the numerical difference in employment for a given period. Replacement represents job openings that transpire due to separations from the labor force, i.e., death, retirement, and pregnancy. The "Total Job Openings" column does not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

Limitations of the Data

The projection method does not account for cyclical, seasonal, and such external factors as sudden discontinuations or initiations of major government programs.

Employment forecasts for the nonmetropolitan counties are based on growth rates developed for the "balance of state" (Arizona less Maricopa and Pima counties) rather than for individual counties.

LABOR MARKET INFORMATION PUBLICATIONS
OCCUPATIONAL EMPLOYMENT STATISTICS, 733A
BOX 6123
PHOENIX, ARIZONA 85005

OFFICIAL BUSINESS
Penalty for Private Use
$300

POSTAGE AND FEES PAID
EMPLOYMENT SECURITY [illegible]
[illegible]

FIRST CLASS MAIL

CONGRESSIONAL INFORMATION SVC
4520 EAST WEST HWY
BETHESDA, MD 20814

Reproduction of this publication for commercial use is prohibited by Section 39-121 Arizona Revised Statutes. Permission to reprint this publication, or parts of it, for nonprofit use may be granted upon written request, if credit will be given citing this publication and the Arizona Department of Economic Security.

This periodical is issued and printed by the Arizona Department of Economic Security as authorized by the Wagner-Peyser Act and is paid out of federal funds granted by the U.S. Department of Labor.

If you do NOT desire to continue receiving this publication, please check here ☐ and return this cover to address above.

If your address has changed, please indicate change and return this cover to the address above.

DES Arizona Department of Economic Security
— Moving People Toward Self-Sufficiency

[illegible]

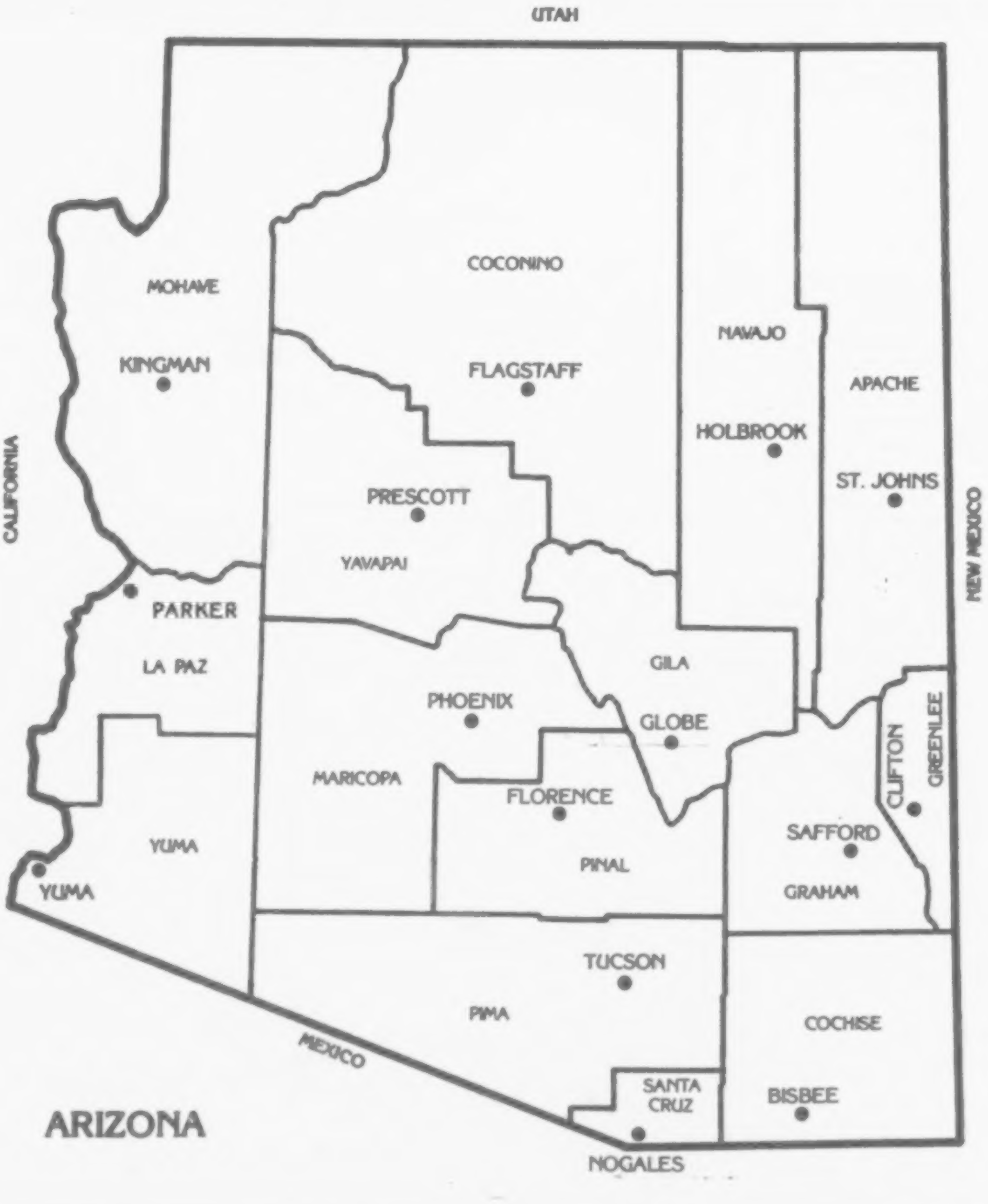
S0465-2.24-u

NOVEMBER 1987

Arizona Occupational Profile

A Labor Market Information Publication
of the Department of Economic Security

Trade


UTAH
CALIFORNIA
NEW MEXICO
MEXICO
ARIZONA
MOHAVE
KINGMAN
COCONINO
FLAGSTAFF
NAVAJO
HOLBROOK
APACHE
ST. JOHNS
PRESCOTT
YAVAPAI
PARKER
LA PAZ
GILA
GLOBE
PHOENIX
MARICOPA
FLORENCE
PINAL
CLIFTON
GREENLEE
SAFFORD
GRAHAM
YUMA
YUMA
TUCSON
PIMA
COCHISE
SANTA CRUZ
BISBEE
NOGALES

OCCUPATIONAL PROFILE

The value of current and accurate occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Occupational Employment Statistics (OES) Program--a cooperative effort between Arizona and the U.S. Bureau of Labor Statistics.

This *Occupational Profile* is one in a series of publications produced from information developed by the Occupational Employment Statistics survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey is used to collect employment data, by county, for over 700 occupations in Arizona. From these surveys, which required the cooperation of the Arizona business community, current employment in the various occupations is determined, and from this an occupational outlook is formulated. The *Occupational Profiles* contain the survey findings and examine, individually, the industries of Arizona.

Surveyed industries include:

Mining
Construction
Manufacturing
Transportation, Communications, and Public Utilities
Trade
Finance, Insurance, and Real Estate
Services
Hospitals
Educational Services
Lodging
Government

For further information, or to comment on any aspect of this program, please write to the address on the back cover.

INDUSTRY DESCRIPTION

Occupational employment estimates for Arizona's wholesale and retail trade industries are provided in this publication for the state and counties.

Wholesale trade includes establishments or places of business primarily engaged in selling merchandise to retailers; to industrial, commercial, institutional, farm or professional business users; or to other wholesalers. Wholesale establishments may also act as agents or brokers in buying merchandise for, or selling merchandise to, such persons or companies as mentioned above.

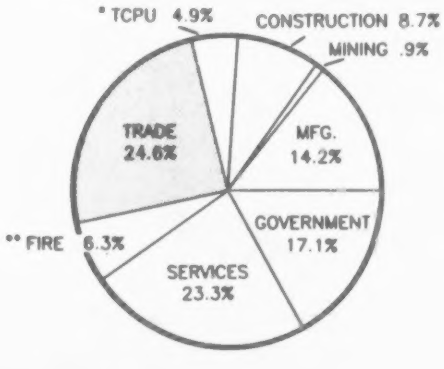
Retail trade, on the other hand, includes establishments which sell merchandise for personal or household consumption and render services incidental to the sale of the goods. Establishments such as lumber yards, and paint, glass, and wallpaper stores are included in retail trade if they sell to the general public, even if a higher proportion of their sales is made to contractors. However, establishments that sell exclusively to business establishments, institutional and industrial users, or contractors are classified in wholesale trade.

A more detailed description of the types of firms categorized in the wholesale and retail trade industries is provided in the *Standard Industrial Classification Manual* under codes 50 through 59.[1]

INDUSTRY CHARACTERISTICS

Employing one of every four Arizonans earning a wage or salary, the trade industry shares with the services industry the distinction of employing the greatest number of Arizona workers. On the strength of an expanding population and tourism, both the trade and services industries employed about 325,000 in 1986.

FIGURE 1: ARIZONA NONAGRICULTURAL EMPLOYMENT, 1986



* TCPU - Transportation, Communications, and Public Utilities
** FIRE - Finance, Insurance, and Real Estate

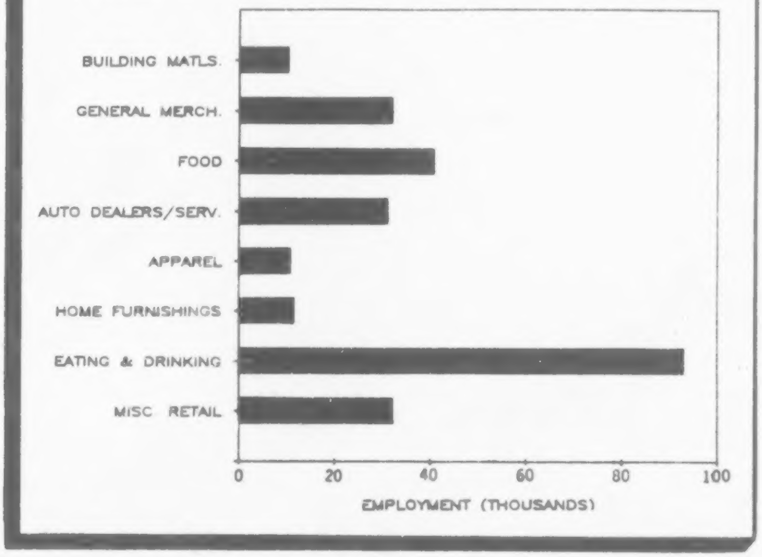
---

[1] Office of Management and Budget, *Standard Industrial Classification Manual*, 1972 Edition, pp. 259 - 276.

RETAIL TRADE

Eighty percent of the employment in Arizona's trade industry is in the retail sector--due largely to employment in eating and drinking places. Employing 93,000 in 1986, these establishments include restaurants of all types: cafeterias, fast-food restaurants, and other sit-down eating places, as well as a variety of establishments engaged in the retail sale of beverages for on-site consumption. Food stores followed with employment of 41,000, 94 percent of which is employed in establishments that sell a variety of foods (e.g., supermarkets, grocery stores, and delicatessens) rather than specialized foods (e.g., bakeries, fish markets, etc.) Rounding out the four largest retail industries are general merchandise stores and automobile dealers and servicers with employment of 42,000 and 31,000 respectively.

FIGURE 2· ARIZONA'S TRADE EMPLOYMENT, 1986



Employment in establishments selling general merchandise is concentrated in department stores, while in motor vehicle-related businesses, employment is concentrated in firms selling both new and used automobiles. These establishments numbered 200 in 1986 and employed more than 12,000 workers statewide. Another 8,400 earned a wage or salary at gasoline service stations across Arizona.

As a percentage of the total employment in the "miscellaneous retail" category, drug and proprietary stores dominate (26 percent); followed by nonstore retailers such as mail-order houses and direct selling establishments (11 percent); jewelry stores (8 percent); and gift, novelty, and souvenir shops (6 percent).

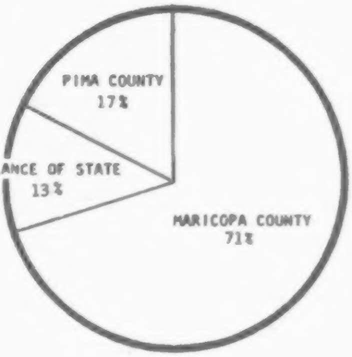
FIGURE 3: WAGE AND SALARY EMPLOYMENT
IN MOTOR VEHICLE AND RELATED ESTABLISHMENTS
1986

	EMPLOYMENT
Motor Vehicle Dealers (New and Used)	12,240
Gasoline Service Stations	8,360
Auto and Home Supply Stores	6,900
Motor Vehicle Dealers (Used)	1,010
Recreation and Utility Trailer Dealers	650
Motorcycle Dealers	600
Automobile Dealers, Other	370
Boat Dealers	270

Trade employment, like population and employment in most other industries, is concentrated in the state's two major metropolitan areas. Maricopa County with 57 percent of the state's population, claims 71 percent of the industry's workers, while Pima County employs 17 percent and the nonmetropolitan counties share the remaining 13 percent.

Restaurants are most concentrated in Mohave and Yavapai counties and least concentrated in Apache County relative to their populations. Based on total employment in the industry, however, Maricopa leads the way with 57,000 restaurant workers and 3,000 tavern workers in 1986, followed by Pima County with 16,000 and 1,400 workers respectively.

FIGURE 4: TRADE EMPLOYMENT BY AREA, 1986



The table below provides an index of employment to population. For example, the comparatively large index in Santa Cruz County's general merchandise stores indicates more than four times as many workers, per population, as are employed in Yavapai County's general merchandising industry. Santa Cruz County also has a greater proportion of employment in food stores and apparel and accessory stores. A predominately rural county with an active commercial center (Nogales), Santa Cruz County is an area where trade is especially important to the economy.

The reader is reminded that employment data in this publication represent those workers earning a wage and salary and exclude self-employed and unpaid family workers. This is especially significant in retail trade which is characterized by many "mom and pop" operations and sole proprietorships.

FIGURE 5: TRADE EMPLOYMENT PER 1000 POPULATION
-AN EMPLOYEMNT INDEX BY COUNTY, 1984-

INDUSTRY COUNTY	APACHE	COCHISE	COCONINO	GILA	GRAM/GREEN.	LA PAZ	MARICOPA	MOHAVE	NAVAJO	PIMA	PINAL	SANTA CRUZ	YAVAPAI	YUMA
Building Materials & Farm Equipment	1	2	2	3	4	3	3	4	3	3	2	2	3	3
General Merchandise	6	9	13	3	5	3	10	6	6	9	5	32	8	11
Food	4	7	10	8	8	14	14	11	9	11	10	9	10	12
Auto Dealers & Service	4	6	10	5	5	14	10	13	7	8	7	6	7	10
Apparel & Access.	*	2	2	1	1	*	4	1	1	3	1	8	1	1
Furniture & Home Furnishings	*	2	2	1	1	1	5	1	1	3	1	2	3	2
Eating Places	2	16	36	20	8	31	30	21	16	25	12	15	21	20
Drinking Places	*	2	1	1	1	1	2	1	1	2	1	*	1	2
Wholesale Trade	1	4	6	2	3	4	26	6	3	11	4	30	4	16

WHOLESALE TRADE

Statewide, wholesalers of machinery, equipment and supplies lead the industry, with more than 15,000 workers in 1986. Firms in this category are primarily engaged in two activities: first, the wholesaling of commercial machines and equipment, such as office, store, and business machines; commercial food service equipment and fountain and store fixtures; and second, the marketing of industrial equipment, such as metalworking tools, food production machinery, and industrial trucks and tractors. Behind the wholesaling of machinery, equipment, and supplies are those wholesaling groceries and related products, with 10,000 workers in 1986.

FIGURE 6: ARIZONA'S WHOLESALE TRADE INDUSTRY
1986

	FIRMS	EMPLOY.
Machinery, Equip., and Supplies	1,555	15,295
Groceries	735	10,125
Electrical Goods	715	6,075
Miscellaneous Wholesale Trade	780	5,565
Motor Vehicle Parts and Supplies	485	5,435
Lumber and Construction Matls.	365	4,440
Hardware, Plumbing, and Heating	410	3,355
Furniture and Home Furnishings	265	2,545
Alcoholic Beverages	90	2,175
Paper and Paper Products	195	1,550
Petroleum and Petroleum Products	100	1,495
Drugs and Sundries	200	1,340
Chemicals	150	1,115
Metals and Minerals, Exc. Petrol.	110	835
Sporting, Recreation, and Hobby	110	635
Apparel and Notions	120	570
Farm Products	40	330
TOTAL	6,420	62,885

The miscellaneous wholesale goods industry, which is ranked fourth in Figure 6, is dominated by wholesalers of farm supplies such as animal feeds, agricultural chemicals, pesticides, and seeds.

Employment in wholesale trade is concentrated in Maricopa County, in part, because of its location at the hub of the state's highway network. The concentration is especially evident in the durable sector where Maricopa County employs 82 percent of those working in wholesale trade. In the wholesaling of nondurable goods, Maricopa County's share of employment is 76 percent.

In the rural counties, however, employees in the wholesaling of nondurable goods outnumber those in the durable sector by about 60 percent. Yuma and Santa Cruz counties are primarily responsible for this, as the two counties employ many in the wholesale distribution of fresh fruits and vegetables. With the exception of Cochise County, wholesale trade employment in the remaining nonmetropolitan counties is more equally divided between durable and nondurable. The industry in Cochise County is dominated by the wholesaling of durables--primarily electronic parts and equipment.

FIGURE 7: ARIZONA'S WHOLESALE TRADE INDUSTRY
BY COUNTY, 1986

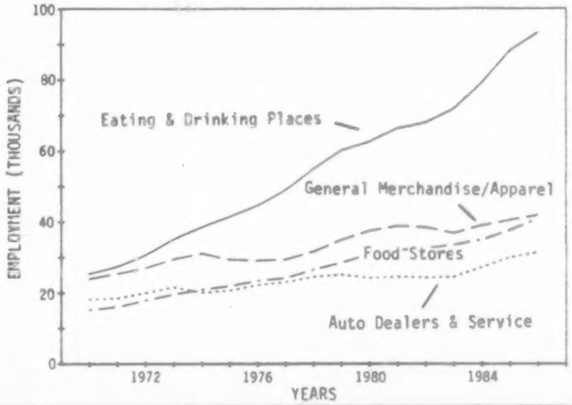
	ESTAB.	EMPLOY.
Maricopa	4,985	50,365
Pima	680	7,285
Yuma	120	1,375
Santa Cruz	190	1,045
Pinal	50	455
Coconino	70	550
Mohave	75	440
Cochise	50	415
Yavapai	90	395
Navajo	35	250
Graham/Greenlee	25	110
Gila	20	85
Apache	15	60
La Paz	10	60

INDUSTRY TRENDS

In recent years, the trade industry lost to the services industry its claim of employing the most workers in Arizona. However, continued expansion in population, tourism, industrial development, and income has resulted in relatively consistent increases in employment and the volume of business transacted. Between 1980 and 1986, employment in trade expanded 34 percent as compared to a 17 percent increase for the U.S. and 32 percent for all Arizona industries. Only the services industry has generated a greater number of new jobs since 1980 than the 82,000 registered by trade.

Leading this expansion is employment in eating and drinking establishments. Responding to a growing population and an increasing inclination to eat outside the home, these establishments provided employment for 89,000 wage earners in 1986--up 26,000 from 1980. Not just a local phenomenon, eating and drinking places in the U.S. accounted for fully half of the total employment growth in retail trade between 1973 and 1985.

FIGURE 8: ARIZONA EMPLOYMENT IN SELECTED TRADE INDUSTRIES, 1970 — 1986



Although providing a fraction of the number of new jobs created in eating and drinking places in Arizona, "nonstore" retailers claim the highest growth rate between 1980 and 1986. More than doubling their employment to 3,200 in 1986, nonstore retailers include mail-order houses and direct-selling establishments primarily engaged in the retail sale of merchandise by telephone or house-to-house canvass.

Consistent with robust housing construction activity and immigration levels, employment in furniture retail establishments also registered strong growth over the last six years. Other sectors registering strong employment expansion include auto and home supply stores; hobby, toy, and game stores; drug stores; and book stores. Employment levels in motor vehicle dealers and gasoline service stations dramatically reversed a long-standing lethargy in recent years. Losing employment between 1980 and 1986 were liquor stores, while showing only a slight increase were general merchandise stores (which includes department stores).

FIGURE 9: GROWTH IN ARIZONA'S RETAIL TRADE INDUSTRIES

1971 - 1980	Growth			1980 - 1986	Growth	
	Percent	Absolute	RANK		Percent	Absolute
Eating & Drinking Places	129%	35,550	1	Eating & Drinking Places	48	29,993
Food Stores	93	14,975	2	Furniture & Home Furnishings	36	3,057
Apparel & Accessories	81	3,859	3	Food Stores	32	9,883
Bldg. Matls. & Farm Equip.	65	3,450	4	Auto Dealers & Service	30	7,126
Furniture & Home Furnishings	63	3,325	5	Apparel & Accessories	26	2,213
General Merchandise	40	8,525	6	Bldg. Matls. & Farm Equip.	19	1,618
Auto Dealers & Service	29	5,425	7	General Merchandise	8	2,455

Wholesale trade employment in Arizona registered a 28 percent increase between 1980 and 1986, led by employment in the trade of nondurable goods. Setting the pace was the wholesaling of lumber and construction materials in which employment doubled in the six years. Claiming the largest numerical increase, however, was employment in firms wholesaling commercial machines and equipment. These firms sell wares ranging from restaurant equipment to computers. Registering negligible gains, and even losses, were establishments wholesaling farm product raw materials and those wholesaling metals and semi-finished mineral products.

Between 1985 and 1989, trade employment in Arizona is expected to expand 22 percent, while increases in all industries will average about 18 percent. The retail sector will continue to set the pace, outdistancing wholesale trade 23 percent to 20 percent.

Population increases, although not matching the high rates of the 1970s, will average nearly 3.2 percent annually through 1989 and will provide the primary impetus to the growth of trade. Over the past two decades, the state's compounded population growth rate averaged nearly 4 percent compared to 1 percent for the United States. Arizona's projected growth rate through the year 2,000 is more than three times the U.S. rate. Arizona's population increases are due, in large part, to immigration. Between 1975 and 1980, for example, 598,000 newcomers arrived and relatively few left--resulting in the fourth largest net increase registered by a state during that period.

A growing portion of employment in retail trade is attributed to the increasing number of part-time jobs. The U.S. Department of Labor estimates that 80 percent of the nation's 18.6 million part-time wage earners are employed in the trade and services industries. In trade, one of every three work part-time--defined as less than 35 hours a week. Nationally, the workweek averaged 32.8 hours in retail stores and 27.1 hours in eating and drinking places in 1984, compared to an average of more than 40 hours in manufacturing. Projections indicate a greater reliance on part-time employment as weekly hours in 1995 average 31.7 in retail trade stores and 26.2 in eating and drinking establishments.

Predicted to increase its employment nearly 30 percent between 1985 and 1989, eating and drinking establishments will continue to provide the greatest number of job opportunities. Spurred not only by population growth, employment increases will result as more women enter the labor force, a growing youthful population boosts the popularity of fast-food establishments, and an older population shifts its demand toward more labor-intensive "sit-down" restaurants. Ever-increasing numbers of two-wage earner households has generated higher incomes while at the same time less time to spend. These ranks of the "time-poor" will further create demand for restaurant services.

Also benefiting from a population that is wealthier in money, but not in time, is the mail-order industry. Expected to continue its recently established trend of large employment increases, non-store retailers, and especially mail-order firms will benefit as consumers react to meet the demands on their time. Other non-store retailers expected to accommodate newcomer demands are firms providing vending services and those that provide electronic shopping services. Home Shopping Network of Clearwater, Florida, for example, reached, via cable television, more than 15 million homes and generated $160 million in sales in fiscal 1986, and many trade industry analysts believe this is just the beginning.

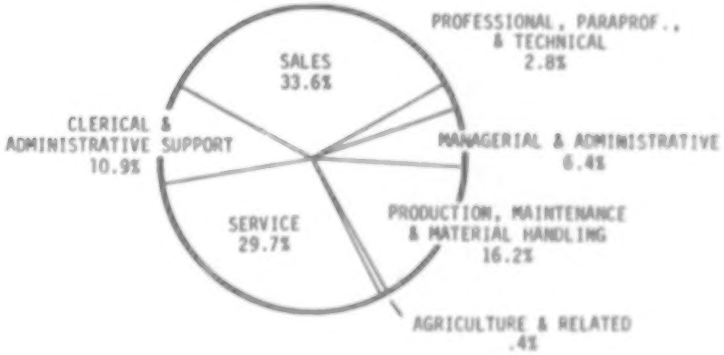
Department stores and other general merchandise stores are expected to employ nearly 47,000 in 1989--an increase of 15 percent over 1985. With an increasingly complex and fragmented market, a major challenge for department stores will be to provide the service, selection, and prices to compete with specialty stores, discount, and mail-order outlets.

Retail outlets that identify and accommodate target groups will be most successful according to most industry analysts. Many of today's "baby boomers" who have relatively little leisure time will be tomorrow's primary purchasers of recreational goods and services, and while sales of specialty products to targeted groups will be the goal of many retailers, others will capitalize on consumer's need for one-stop shopping.

OCCUPATIONAL ANALYSIS

It should surprise no one that sales workers constitute the most numerically prominent occupational group in the trade industry. This group of 104,000 workers is dominated by retail salespersons, cashiers, and sales representatives. Based on our definitions, retail salespersons, unlike sales representatives, sell a variety of merchandise to the public, including such items as furniture, motor vehicles, appliances, and apparel. Retail salespersons may also sell less expensive merchandise where a knowledge of the items sold is not a primary responsibility. Sales representatives, on the other hand, sell primarily for wholesalers or manufacturers to businesses or groups of individuals and must have substantial knowledge of the products sold. Often this knowledge is obtained from 2 or 3 years of post-secondary education or its equivalent. Employment of salespersons and sales representatives totaled nearly 62,000 in 1985. It should be remembered that these data represent only workers earning a wage or salary and exclude unpaid family workers and those earning only a commission.

FIGURE 10: OCCUPATIONS IN ARIZONA'S
TRADE INDUSTRY
MAY 1986



The prominence of restaurant employment contributes to the numerically high ranking of service workers in trade. Of the 92,000 service workers in the industry, nearly 84,000 are in food and beverage preparation and service. Waiters and waitresses represent the group's largest component, numbering nearly 21,000 in June 1985.

Ranking third, based on employment, is the maintenance, production, and material handling category. Dominant here are freight, stock, and material movers; automotive mechanics, and light truck drivers. Note that retail trade includes automobile dealers and gasoline service stations but not establishments that are primarily involved with maintenance and repair of automobiles. The latter is included in the services industry and is the subject of another "Arizona Occupational Profile."

FIGURE 11: OCCUPATIONS WITH THE GREATEST EMPLOYMENT IN ARIZONA'S TRADE INDUSTRY

	Employment May 1986	Job Openings* 1986-1989
Salespersons, Retail	43,177	13,707
Combined Food Preparation & Service Workers	21,122	10,066
Waiters & Waitresses	20,761	10,589
Cashiers	20,558	8,426
Sales Representatives, Exc. Retail	15,331	5,494
General Managers & Top Executives	12,155	3,860
First Line Managers & Supervisors - Sales	10,873	3,572
Food Preparation Workers	8,633	4,003
Stock Clerks, Sales Floor	8,091	2,032
Freight, Stock, & Material Movers, Hand	6,750	2,079
Bookkeeping, Accounting, & Auditing Clerks	6,261	2,367
Cooks, Restaurant	6,104	2,598
Bartenders	5,233	2,316
Automotive Mechanics	4,999	1,349
Truck Drivers, Light - Inc. Delivery & Route	4,751	1,235
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	4,749	1,650
Counter Attendants - Coffee Shop & Cafeteria	4,469	2,264
General Office Clerks	4,159	1,594
Stock Clerks - Stockroom, Warehouse, or Yard	3,906	1,121
Cooks, Specialty Fast Food	3,710	1,640
First Line Managers & Supervisors - Service	3,580	1,692
Food Service & Lodging Managers	3,347	1,484
Salespersons, Parts	3,343	974
Secretaries	3,056	1,233
Hand Packers & Equipment Cleaners	3,027	935
Service Station Attendants	3,019	868
Janitors & Cleaners, Exc. Maids & Housekeeping	2,872	1,012
Traffic, Shipping, & Receiving Clerks	2,765	788
Truck Drivers, Heavy or Tractor Trailer	2,608	626
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	2,534	1,313
First Line Managers & Supervisors - Production, Construction, Maintenance, & Related	2,319	705
First Line Managers & Supervisors - Clerical	2,302	664
Order Fillers, Wholesale & Retail Sales	2,292	582
Order Clerks - Materials, Merch., & Service	1,800	677
Bakers, Bread & Pastry	1,589	634

* Does not include turnover.

County and statewide distributions of occupational employment are consistent with one another with these notable exceptions. In Coconino and La Paz counties, service workers predominate because of the relatively large employment in eating and drinking places. In Santa Cruz County, the disproportionately large number of clerical workers are concentrated in the county's active wholesale trade industry.

Expected growth of the industry and the separation of workers from the labor force will create an estimated 111,000 job openings between 1986 and 1989. As the industry's two largest occupational categories, sales and service occupations will provide the vast majority of these job opportunities. Retail salespersons, food preparation and service workers, and cashiers will account for the biggest share of these opportunities. Many of those employed in these occupations are part-time workers, and because their turnover rate is particularly high, job openings will be especially plentiful. In fact, no occupation in Arizona employs more workers than does retail salespersons, and no occupation offers more job opportunities.

[illegible]

General Merchandise	[illegible]
Apparel and Accessories	[illegible]
Auto Dealers/Service Stations	[illegible]
Food Stores	[illegible]
Furniture and Home Furnishings	[illegible]
Building Material and Garden Supplies	[illegible]
Eating and Drinking Places	[illegible]

For many, a job in retail sales serves as a source of immediate income rather than a career. Often requiring little training or work history, the occupation is especially attractive to students and homemakers wishing to take advantage of part-time work opportunities. Other retail salespersons will, as they gain experience, move to positions of greater responsibility, selling "big ticket" items. Those aspiring for management will find that a college education is becoming increasingly important.

Waiters and waitresses outnumber workers in all but three occupations in Arizona. Eighty percent are employed by restaurants and drinking places with most of the balance working in hotels, food stores, and some general merchandise stores. The qualities that attract many job seekers to retail sales also attract prospective waiters and waitresses who desire flexible part-time hours. The best opportunities for employment will be in inexpensive to moderately priced restaurants. Because potential earnings are greatest in expensive restaurants, keen competition exists for jobs in these establishments.

Retail trade is, by nature, labor intensive and greatly dependent upon retail salespersons and others to deliver goods and incidental services to customers. Although recent developments have lessened the reliance upon workers for certain tasks, such as the use of computerized gasoline pumps to serve customers, many services in the trade industry will be difficult to automate. Whether providing information or assistance to a customer considering the purchase of a stereo, or ringing up the sale, personal service will continue to be paramount in the marketing strategy of many retailers.

OCCUPATIONAL STRUCTURE

The following tables provide employment estimates and projected employment and job openings for the counties and the state.

When using the data, please note the following:

1) Trade employment growth in each of the nonmetropolitan counties reflects the rate calculated for the "balance of state" (Arizona less Maricopa and Pima counties).

2) The data reflect full and part-time wage and salary employment only, and do not include self-employed or unpaid family workers.

3) Total job openings represent the number of openings due to growth of the industry and separations from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

4) To eliminate the possible disclosure of confidential employer information, occupations have been added to the appropriate "All Other" or residual category if: less than three firms reported a single occupation; one firm reported more than 50 percent of the occupation estimate; two firms combined reported more than 75 percent of the occupational estimate. In certain cases, releases have been obtained from large employers to waive the confidentiality criteria.

5) The projection technique does not possess the degree of accuracy that may be implied by unrounded numbers.

6) Data for occupations with employment of less than five are included in the appropriate "All Other" categories. These occupations are not listed, however, in the summary of "All Other" categories which follows each table.

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

STATEWIDE

	ESTIMATED JUNE 1985 EMPLOYMENT	PERCENT OF JUNE 1985 EMPLOYMENT	PROJECTED JUNE 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	19,803	6.4	23,945	6,471
Financial Managers	350	.1	408	83
Personnel, Training, & Labor Relation Mgrs.	179	.1	205	36
Purchasing Managers	1,086	.3	1,260	249
Marketing, Advertising, & Public Rel. Mgrs.	961	.3	1,132	280
Administrative Services Managers	71	.0	77	9
Transportation, Communications, & Utilities Operations Managers	182	.1	206	27
Food Service & Lodging Managers	3,347	1.1	4,301	1,484
General Managers & Top Executives	12,155	3.9	14,625	3,860
All Other Managers & Administrators	1,472	.5	1,731	443
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	8,642	2.8	10,296	2,543
Management Support Occupations	3,044	1.0	3,534	815
Accountants & Auditors	843	.3	984	229
Budget Analysts	10	.0	11	1
All Other Financial Specialists	52	.0	56	6
Wholesale & Retail Buyers, Exc. Farm Products	1,227	.4	1,434	360
Purchasing Agents & Buyers, Farm Products	198	.1	229	44
Purchasing Agents, Exc. Wholesale, Retail, & Farm	121	.0	137	24
Personnel, Training, & Labor Rel. Specialists	187	.1	212	38
Cost Estimators	95	.0	111	34
All Other Management Support Workers	311	.1	360	79
Engineers & Related Occupations	1,218	.4	1,450	289
Electrical & Electronic Engineers	147	.1	175	35
Mechanical Engineers	46	.0	52	7
All Other Engineers	17	.0	19	2
Electrical/Electronic Engineering Technicians	895	.3	1,076	229
Mechanical Engineering Techs.	35	.0	39	4
Drafters	76	.0	87	12
All Other Engineering & Related Technicians	2	.0	2	0
Natural Scientists & Related Workers	24	.0	25	1
Physical Scientists	12	.0	13	1
All Other Life Scientists	2	.0	2	0
Physical & Life Science Technicians & Technologists	10	.0	10	0
Computer, Math, Research, & Related Occupations	798	.3	930	160
Systems Analysts, Electronic Data Processing	369	.1	435	79
Computer Programmers	385	.1	447	76
Computer Programmer Aides	44	.0	48	5
Health Practitioners, Technicians, & Related	1,577	.5	1,948	688
Opticians, Dispensing, & Measuring	300	.1	379	122
Pharmacists	1,195	.4	1,472	536
All Other Health Professionals, Paraprofessionals, & Technicians	82	.0	97	30
Writers, Artists, Athletes, & Related	1,319	.4	1,581	376
Writers & Editors	39	.0	43	6
Photographers	10	.0	11	1
Artists & Related Workers	144	.0	164	37
Designers, Exc. Interior Designers	392	.1	473	104
Interior Designers	341	.1	420	92
Merchandise Displayers & Window Trimmers	205	.1	229	57
Musicians, Instrumental	188	.1	241	79
Other Professional, Paraprofessional, & Technical	662	.2	828	214

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

STATEWIDE (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	PERCENT OF JUNE 1985 EMPLOYMENT	PROJECTED JUNE 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
SALES & RELATED OCCUPATIONS	104,002	33.6	124,281	35,158
First Line Supervisors & Manager/Supervisors	10,873	3.5	12,967	3,572
Merchandise, Products, & Other Sales-Related Occupations	93,129	30.1	111,314	31,586
Sales Engineers	202	.1	239	44
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	3,141	1.0	3,766	1,026
All Other Sales Representatives, Exc. Retail	11,988	3.9	14,439	4,424
Salespersons, Retail	43,177	13.9	51,389	13,707
Salespersons, Parts	3,343	1.1	3,942	974
Counter & Rental Clerks	905	.3	1,075	336
Stock Clerks, Sales Floor	8,091	2.6	9,659	2,032
Cashiers	20,558	6.6	24,774	8,426
News/Street Vendors, Phone Solicitors, Door-to-Door Sales Workers	631	.2	769	261
Demonstrators, Promoters, & Models	342	.1	402	111
All Other Sales & Related Workers	751	.2	860	205
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	33,835	10.9	40,003	11,231
First Line Supervisors & Manager/Supervisors	2,302	.7	2,716	664
Industry-Specific Clerical & Administrative Support	1,545	.5	1,793	510
Credit Authorizers	176	.1	205	60
Credit Managers	217	.1	250	70
Adjustment Clerks	803	.2	926	274
Bill & Account Collectors	349	.1	412	106
Selected Secretarial & General Office Occupations	17,286	5.6	20,502	6,529
Secretaries	3,056	1.0	3,651	1,233
Stenographers	6	.0	6	0
Receptionists & Information Clerks	519	.2	604	173
Typists	138	.0	159	49
Typists, Word Processing Equipment	41	.0	45	5
Personnel Clerks, Exc. Payroll & Timekeeping	173	.1	196	65
Correspondence Clerks	11	.0	12	2
File Clerks	103	.0	117	37
Order Clerks - Materials, Merch., & Service	1,800	.6	2,124	677
Bookkeeping, Accounting, & Auditing Clerks	6,261	2.0	7,481	2,367
Payroll & Timekeeping Clerks	243	.1	276	51
Billing, Cost, & Rate Clerks	766	.2	899	270
General Office Clerks	4,169	1.3	4,932	1,594
Electronic Data Processing & Other Office Machine Occupations	1,550	.5	1,804	391
Billing, Posting, & Calculating Machine Opers.	272	.1	316	85
Computer Operators, Exc. Peripheral Equipment	314	.1	358	62
Peripheral EDP Equipment Operators	147	.0	173	57
Data Entry Keyers, Exc. Composing	802	.3	941	185
All Other Office Machine Operators	15	.0	16	2
Communications, Mail, & Message Distributing Occupations	638	.2	733	228
Switchboard Operators	547	.2	630	206
Mail Clerks, Exc. Mail Machine Operators & Postal Service	91	.0	103	22
Material Distribution & Recording Occupations	10,186	3.3	12,075	2,583
Dispatchers - Excluding Police, Fire, & Ambulance	297	.1	346	66
Weighers, Measurers, Checkers, & Samplers-Recordkeeping	70	.0	80	14
Marking Clerks	675	.2	782	240
Stock Clerks - Stockroom, Warehouse, or Yard	3,906	1.3	4,636	1,121
Order Fillers, Wholesale & Retail Sales	2,292	.7	2,750	582

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

STATEWIDE (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	PERCENT OF JUNE 1985 EMPLOYMENT	PROJECTED JUNE 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Traffic, Shipping, & Receiving Clerks	2,765	.9	3,274	788
All Other Material Recording/Scheduling/Dist.	181	.1	207	42
All Other Clerical & Administrative Support Occupations	328	.1	380	56
SERVICE OCCUPATIONS	91,919	29.7	117,081	42,121
First Line Supers. & Mgrs./Supers. - Service	3,580	1.1	4,542	1,692
Protective Service Occupations	841	.3	1,017	216
Detectives & Investigators, Exc. Public	229	.1	266	47
Guards & Watch Guards	612	.2	751	169
Food & Beverage Service Occupations	83,530	27.0	106,799	38,770
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	2,534	.8	3,265	1,313
Bartenders	5,233	1.7	6,760	2,316
Waiters & Waitresses	20,761	6.7	26,558	10,589
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	4,748	1.5	6,123	1,650
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	4,468	1.4	5,670	2,264
Bakers, Bread & Pastry	1,589	.5	1,958	634
Butchers & Meat Cutters	1,480	.5	1,763	428
Cooks, Restaurant	6,104	2.0	7,736	2,598
Cooks, Institution or Cafeteria	867	.3	1,111	378
Cooks, Specialty Fast Food	3,710	1.2	4,762	1,640
Cooks, Short Order	1,581	.5	2,005	611
Food Preparation Workers	8,633	2.8	11,025	4,003
Combined Food Preparation & Service Workers	21,122	6.8	27,208	10,066
All Other Food Service Workers	700	.2	855	280
Health Service & Related Occupations	318	.1	389	140
Pharmacy Assistants	318	.1	389	140
Cleaning & Building Service, Exc. Private Households	3,151	1.0	3,754	1,118
Maids & Housekeeping Cleaners	178	.1	211	70
Janitors & Cleaners, Exc. Maids & Housekeeping	2,872	.9	3,420	1,012
All Other Cleaning/Building Service, Exc. Private House	101	.0	123	36
Personal Service Occupations	267	.1	301	102
Hairdressers, Hairstylists, & Cosmetologists	267	.1	301	102
All Other Service Occupations	232	.1	279	83
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1,180	.4	1,440	477
Nursery Workers	463	.1	569	192
Gardeners & Groundskeepers, Exc. Farm	661	.2	807	272
All Other Agri., Forestry, Fishing, & Related	56	.0	64	13
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	50,201	16.2	59,780	13,972
First Line Supervisors & Manager/Supervisors- Production, Construction, Maintenance, & Related	2,319	.7	2,720	705
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	1,588	.5	1,860	454
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	731	.2	860	251
Inspectors & Related Occupations	122	.0	136	23
Production Inspectors, Testers, & Graders	69	.0	76	10
All Other Inspectors, Testers, & Related	53	.0	60	13

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

STATEWIDE (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	PERCENT OF JUNE 1985 EMPLOYMENT	PROJECTED JUNE 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Mechanics, Installers, & Repairers	14,180	4.6	16,859	3,731
Machinery Maintenance Mechanics	83	.0	95	13
Maintenance Repairers, General Utility	1,132	.4	1,328	272
Automotive Mechanics	4,999	1.6	5,965	1,349
Automotive Body & Related Repairers	763	.2	911	212
Motorcycle Repairers	148	.0	174	32
Bus & Truck Mechs., & Diesel Eng. Specialists	797	.3	933	190
Mobile Heavy Equip. Mechanics, Exc. Engines	586	.2	694	137
Farm Equipment Mechanics	244	.1	282	52
Aircraft Mechanics	82	.0	100	22
Small Engine Specialists	120	.0	135	22
Data Processing Equipment Repairers	405	.1	496	111
Electronic Home Entertainment Equip. Repairers	337	.1	415	97
Electric Home Appliance & Power Tool Repairers	343	.1	393	80
Electrical Installers & Repairers, Transportation Equipment	151	.0	174	32
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	442	.1	531	125
Watchmakers	24	.0	30	7
Musical Instrument Repairers & Tuners	43	.0	53	13
Office Machine & Cash Register Servicers	774	.3	920	214
Installers/Repairers - Manufactured Buildings	384	.1	466	111
Gas Appliance Repairers	42	.0	46	5
Coin & Vending Machine Servicers & Repairers	130	.0	159	38
Bicycle Repairers	119	.0	146	37
Tire Repairers & Changers	1,060	.3	1,249	297
All Other Mechanics, Installers, & Repairers	972	.3	1,164	263
Construction Trades & Extractive Occupations, Exc. Material Moving	1,314	.4	1,562	332
Carpenters	339	.1	394	91
Electricians	18	.0	20	2
Painters & Paperhangers - Construction & Maintenance	17	.0	17	0
Plumbers, Pipefitters, & Steamfitters	38	.0	43	6
Carpet Installers	186	.1	221	41
Floor Layers, Exc. Carpet, Wood, & Hard Tiles	139	.0	169	34
Glaziers	268	.1	317	69
All Other Construction Trades Workers	297	.1	368	88
All Other Construction & Extraction Workers, Exc. Helpers	12	.0	13	1
Precision Production Occupations	3,106	1.0	3,739	917
Machinists	417	.1	484	102
Jewelers & Silversmiths	274	.1	339	112
All Other Precision Metal Workers	8	.0	10	2
Wood Machinists	128	.0	157	41
Cabinetmakers & Bench Carpenters	820	.3	1,009	253
Furniture Finishers	249	.1	304	63
Custom Tailors & Sewers	333	.1	378	95
Upholsterers	42	.0	48	9
All Other Precision Workers	835	.3	1,010	240
Machine Setters, Set-up Operators, Operators, & Tenders	1,226	.4	1,490	365
Sewing Machine Operators, Garment	77	.0	85	15
Sewing Machine Operators, Non-Garment	217	.1	269	80
Painters, Transportation Equipment	114	.0	134	30
Packaging & Filling Machine Opers. & Tenders	251	.1	300	74
All Machine Setters & Set-Up Operators	46	.0	51	7
All Other Machine Operators & Tenders	541	.2	651	159

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

STATEWIDE (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	PERCENT OF JUNE 1985 EMPLOYMENT	PROJECTED JUNE 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Hand Working Occupations, Inc. Assemlbers/Fabricators	1,633	.5	1,915	433
Welders & Cutters	276	.1	324	66
Assemblers/Fabricators - Exc. Machine, Electrical, & Precision	1,086	.3	1,278	305
All Other Hand Workers	271	.1	313	62
Plant & System Occupations	20	.0	22	3
Transportation & Material Moving Machine & Vehicle Operators	12,509	4.0	14,861	3,267
Truck Drivers, Heavy or Tractor Trailer	2,608	.8	3,076	626
Truck Drivers, Light - Incl. Delivery & Route	4,751	1.5	5,695	1,235
Driving Sales Workers	1,005	.3	1,210	263
Service Station Attendants	3,019	1.0	3,551	866
All Other Transportation & Related Workers	102	.0	123	30
Hoist & Winch Operators	49	.0	58	12
Crane & Tower Operators	26	.0	28	2
Industrial Truck & Tractor Operators	522	.2	614	118
Conveyor Operators & Tenders	214	.1	253	60
All Other Material Moving Equipment Operators	213	.1	253	55
Helpers, Laborers, & Material Movers - Excluding Agriculture & Forestry Laborers	13,752	4.4	16,476	4,196
Mechanic & Repairer Helpers	668	.2	791	186
Freight, Stock, & Material Movers, Hand	6,750	2.2	8,094	2,079
Hand Packers & Equipment Cleaners	3,027	1.0	3,629	935
Vehicle Washers & Equipment Cleaners	1,184	.3	1,413	351
All Other Helpers & Laborers	2,123	.7	2,549	645
TOTAL OF ALL OCCUPATIONS	309,582	100.0	376,826	111,973

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS

All Other Agri., Forestry, Fishing, & Related
Graders & Sorters, Agricultural Products

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Camera & Photographic Equipment Repairers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING (CONTINUED)

All Other Construction & Extraction Workers, Exc. Helpers
Floor Sanding Machine Operators

All Other Precision Metal Workers
Sheet Metal Workers

All Other Hand Workers
Carpet Cutters, Diagrammers, & Seamers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

APACHE COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	90	97	7	4	11
Purchasing Managers	8	8	0	0	0
General Managers & Top Executives	67	73	6	3	9
All Other Managers & Administrators	15	16	1	1	2
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	22	23	1	2	3
Accountants & Auditors	14	14	0	1	1
Pharmacists	8	9	1	1	2
SALES & RELATED OCCUPATIONS	701	781	80	87	167
First Line Supervisors & Managers - Sales	65	70	5	6	11
Sales Representatives, Exc. Retail	7	7	0	1	1
Salespersons, Retail	343	381	38	39	77
Salespersons, Parts	8	8	0	0	0
Stock Clerks, Sales Floor	66	75	9	3	12
Cashiers	202	229	27	37	64
All Other Sales & Related Workers	10	11	1	1	2
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	71	76	5	6	11
Secretaries	2	2	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	16	16	0	0	0
General Office Clerks	28	31	3	5	8
All Office Machine Operators	2	2	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	18	20	2	1	3
All Other Material Recording/Scheduling/Dist.	3	3	0	0	0
All Other Clerical Administrative Support	2	2	0	0	0
SERVICE OCCUPATIONS	247	270	23	31	54
First Line Supers. & Mgrs./Supers. - Service	13	13	0	2	2
Guards & Watch Guards	8	9	1	0	1
Waiters & Waitresses	57	65	8	12	20
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	29	33	4	6	10
Butchers & Meat Cutters	20	22	2	1	3
Cooks, Restaurant	22	24	2	1	3
Cooks, Specialty Fast Food	12	13	1	1	2
Cooks, Short Order	15	17	2	1	3
Food Preparation Workers	16	17	1	2	3
Combined Food Preparation & Service Workers	20	21	1	2	3
All Other Food Service Workers	10	10	0	1	1
Janitors & Cleaners, Exc. Maids & Housekeeping	13	13	0	0	0
All Other Cleaning/Building Service, Exc. Private House	12	13	1	2	3
MAINTENANCE & PRODUCTION WORKERS	190	205	15	9	24
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	8	8	0	0	0
Maintenance Repairers, General Utility	5	5	0	0	0
Automotive Mechanics	20	20	0	0	0
All Other Mechanics, Installers, & Repairers	9	10	1	0	1
Jewelers & Silversmiths	12	13	1	1	2
All Other Precision Workers	3	3	0	0	0
Truck Drivers, Heavy or Tractor Trailer	35	39	4	2	6
Truck Drivers, Light - Incl. Delivery & Route	22	25	3	1	4
Service Station Attendants	30	31	1	2	3
All Freight & Material Movers, Hand	22	25	3	2	5
Hand Packers & Packagers	21	23	2	1	3
All Other Helpers & Laborers	3	3	0	0	0
TOTAL OF ALL OCCUPATIONS	1,321	1,452	131	139	270

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

APACHE COUNTY (CONTINUED)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SERVICE OCCUPATIONS

All Other Food Service Workers
 Bartenders

All Other Cleaning/Building Service, Exc.
  Private House
 Maids & Housekeeping Cleaners

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

COCHISE COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	330	355	25	26	51
Purchasing Managers	17	18	1	1	2
Marketing, Advertising, & Public Rel. Mgrs.	18	18	0	1	1
Food Service & Lodging Managers	43	49	6	6	12
General Managers & Top Executives	217	234	17	15	32
All Other Managers & Administrators	35	36	1	3	4
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	125	136	11	10	21
Accountants & Auditors	12	12	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	35	39	4	4	8
All Other Management Support Workers	9	9	0	0	0
All Engineering & Related Technicians	15	17	2	1	3
Pharmacists	21	24	3	4	7
All Other Professional, Paraprofessional, & Technical Workers	33	35	2	1	3
SALES & RELATED OCCUPATIONS	1,657	1,879	222	209	431
First Line Supervisors & Managers - Sales	198	217	24	21	45
Sales Representatives, Exc. Retail	44	47	3	5	8
Salespersons, Retail	638	729	91	70	161
Salespersons, Parts	72	75	3	7	10
Stock Clerks, Sales Floor	213	242	29	10	39
Cashiers	481	553	72	96	168
All Other Sales & Related Workers	8	8	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	378	400	22	39	61
First Line Supers.-Clerical & Admin. Support	28	29	1	1	2
Adjustment Clerks	29	33	4	5	9
Secretaries	29	30	1	3	4
Receptionists & Information Clerks	5	5	0	0	0
File Clerks	0	0	0	1	1
Order Clerks - Materials, Merch., & Service	16	17	1	1	2
Bookkeeping, Accounting, & Auditing Clerks	110	115	5	14	19
Billing, Cost, & Rate Clerks	5	5	0	0	0
General Office Clerks	71	76	5	10	15
All Office Machine Operators	6	6	0	0	0
All Communication Equipment Operators	2	2	0	0	0
Marking Clerks	21	24	3	4	7
Stock Clerks - Stockroom, Warehouse, or Yard	16	17	1	0	1
Traffic, Shipping, & Receiving Clerks	17	18	1	0	1
All Other Material Recording/Scheduling/Dist.	8	8	0	0	0
All Other Clerical & Administrative Support	15	15	0	0	0
SERVICE OCCUPATIONS	1,670	1,908	238	293	531
First Line Supers. & Mgrs./Supers. - Service	73	82	9	14	23
All Protective Service Workers	3	3	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	7	8	1	1	2
Bartenders	79	91	12	11	23
Waiters & Waitresses	303	348	45	67	112
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	14	16	2	0	2
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	94	107	13	21	34
Butchers & Meat Cutters	25	28	3	2	5
Cooks, Restaurant	135	154	19	19	38
Cooks, Institution or Cafeteria	50	57	7	7	14
Cooks, Specialty Fast Food	54	62	8	8	16
Cooks, Short Order	28	31	3	2	5
Food Preparation Workers	178	205	27	31	58
Combined Food Preparation & Service Workers	542	624	82	98	180
All Other Food Service Workers	6	6	0	1	1
All Health Service Workers	3	3	0	0	0
Maids & Housekeeping Cleaners	5	5	0	1	1
Janitors & Cleaners, Exc. Maids & Housekeeping	71	78	7	10	17

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

COCHISE COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	5	5	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	662	719	57	42	99
First Line Managers/Supervisors - Mechanics/Installers/Repairers	16	16	0	0	0
All First Line Managers/Supervisors - Maintenance/Production/Construction	1	1	0	0	0
Maintenance Repairers, General Utility	16	16	0	1	1
Automotive Mechanics	81	85	4	4	8
Automotive Body & Related Repairers	23	24	1	2	3
Electronic Home Entertainment Equip. Repairers	5	5	0	0	0
All Other Electrical Mechanics/Installers/Repairer	8	8	0	0	0
All Other Mechanics, Installers, & Repairers	22	23	1	0	1
Plumbers, Pipefitters, & Steamfitters	8	9	1	0	1
Glaziers	12	14	2	1	3
All Other Construction Trades Workers	8	9	1		1
Machinists	9	9	0	0	0
Cabinetmakers & Bench Carpenters	28	33	5	2	7
All Precision Workers	10	11	1	0	1
All Machine Operators & Tenders	10	11	1	0	1
All Hand Workers	1	1	0	0	0
Truck Drivers, Heavy or Tractor Trailer	17	17	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	43	45	2	0	2
Service Station Attendants	47	49	2	5	7
All Material Moving Equipment Operators	16	17	1	0	1
Mechanic & Repairer Helpers	13	13	0	1	1
Freight, Stock, & Material Movers, Hand	205	234	29	21	50
Hand Packers & Packagers	22	25	3	2	5
Vehicle Washers & Equipment Cleaners	17	17	0	1	1
All Other Helpers & Laborers	24	27	3	2	5
TOTAL OF ALL OCCUPATIONS	4,827	5,402	575	619	1,194

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Engineering & Related Technicians
  Drafters

All Other Professional, Paraprofessional, & Technical Workers
  Designers, Exc. Interior Designers

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
  Demonstrators, Promoters, & Models

SERVICE OCCUPATIONS

All Other Food Service Workers
  Bakers, Bread & Pastry

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Electrical Mechs./Installers/Repairers
  Electric Home Appliance & Power Tool Repairers

All Mechanics, Installers, & Repairers
  Motorcycle Repairers
  Office Machine & Cash Register Servicers

All Material Moving Equipment Operators
  Hoist & Winch Operators

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

COCONINO COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	509	560	51	49	100
Financial Managers	6	6	0	0	0
Purchasing Managers	21	22	1	0	1
Marketing, Advertising, Public Rel. Mgrs.	10	11	1	1	2
Food Service & Lodging Managers	119	137	18	18	36
General Managers & Top Executives	313	342	29	26	55
All Other Managers & Administrators	40	42	2	4	6
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	88	95	7	6	13
Accountants & Auditors	17	17	0	0	0
All Other Financial Specialists	2	2	1	1	2
Wholesale & Retail Buyers, Exc. Farm Products	11	12	3	4	7
All Other Management Support Workers	11	11	0	0	0
Pharmacists	21	24	3	4	7
Designers, Exc. Interior Designers	17	20	3	1	4
All Other Professional, Paraprofessional, & Technical Workers	9	9	0	0	0
SALES & RELATED OCCUPATIONS	2,299	2,606	307	309	616
First Line Supervisors & Managers - Sales	273	306	33	31	64
Sales Representatives, Exc. Retail	62	68	6	6	12
Counter & Rental Clerks	925	1,061	132	106	238
Salespersons, Parts	103	108	5	11	16
Stock Clerks, Sales Floor	171	195	24	8	32
Cashiers	746	853	107	147	254
All Other Sales & Related Workers	15	15	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	579	627	48	60	108
First Line Supers.-Clerical & Admin. Support	36	37	1	1	2
Adjustment Clerks	15	16	1	2	3
Secretaries	30	31	1	3	4
Receptionists & Information Clerks	11	11	0	1	1
Order Clerks - Materials, Merch., & Service	19	21	2	3	5
Bookkeeping, Accounting, & Auditing Clerks	198	219	21	29	50
Payroll & Timekeeping Clerks	6	6	0	0	0
Billing, Cost & Rate Clerks	6	6	0	0	0
General Office Clerks	41	44	3	6	9
Computer Operators, Exc. Peripheral Equipment	6	6	0	0	0
Data Entry Keyers, Exc. Composing	8	9	1	0	1
All Other Office Machine Operators	1	1	0	0	0
All Communication Equipment Operators	5	5	0	0	0
Marking Clerks	51	58	7	9	16
Stock Clerks - Stockroom, Warehouse, or Yard	71	76	5	2	7
Order Fillers, Wholesale & Retail Sales	27	29	2	1	3
Traffic, Shipping, & Receiving Clerks	27	30	3	1	4
All Other Material Recording/Scheduling/Dist.	1	1	0	0	0
All Other Clerical & Administrative Support	25	26	1	2	3
SERVICE OCCUPATIONS	3,189	3,662	473	573	1,046
First Line Supers. & Mgrs./Supers. - Service	99	113	14	19	33
All Protective Service Workers	3	3	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	95	109	14	21	35
Bartenders	50	57	7	7	14
Waiters & Waitresses	900	1,038	138	202	340
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	155	178	23	8	31
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	174	200	26	39	65
Bakers, Bread & Pastry	35	38	3	5	8
Butchers & Meat Cutters	55	61	6	3	9
Cooks, Restaurant	332	383	51	51	102
Cooks, Institution or Cafeteria	40	45	5	5	10
Cooks, Specialty Fast Food	43	49	6	6	12

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

COCONINO COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Cooks, Short Order	93	107	14	11	25
Food Preparation Workers	573	661	88	104	192
Combined Food Preparation & Service Workers	454	524	70	81	151
All Other Food Service Workers	11	12	1	2	3
All Health Service Workers	4	4	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	70	77	7	9	16
All Other Service Workers	3	3	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	969	1,047	78	62	140
First Line Managers/Supervisors - Mechanics/Installers/Repairers	23	23	0	0	0
All First Line Managers/Supervisors - Maintenance/Production/Construction	6	6	0	0	0
Maintenance Repairers, General Utility	26	28	2	1	3
Automotive Mechanics	176	183	7	12	19
Automotive Body & Related Repairers	17	17	0	1	1
Motorcycle Repairers	6	6	0	0	0
Bus & Truck Mechanics, & Diesel Eng. Specialists	7	7	0	0	0
All Electrical Mechs./Installers/Repairers	9	9	0	0	0
Office Machine & Cash Register Servicers	22	24	2	1	3
Coin & Vending Machine Servicers & Repairers	9	10	1	0	1
Tire Repairers & Changers	5	5	0	0	0
All Other Mechanics, Installers, & Repairers	32	33	1	0	1
Carpenters	7	7	0	0	0
Plumbers, Pipefitters, & Steamfitters	8	9	1	0	1
Glaziers	5	5	0	0	0
Cabinetmakers & Bench Carpenters	6	7	1	0	1
All Precision Textile & Apparel Workers	2	2	0	0	0
All Other Precision Workers	4	4	0	0	0
All Machine Operators & Tenders	2	2	0	0	0
All Hand Workers	5	5	0	0	0
Truck Drivers, Heavy or Tractor Trailer	35	37	2	0	2
Truck Drivers, Light - Incl. Delivery & Route	135	150	15	4	19
All Other Motor Vehicle Operators	8	9	1	0	1
Service Station Attendants	129	137	8	14	22
All Transportation & Moving Equip. Operators	1	1	0	0	0
All Material Moving Equipment Operators	18	20	2	1	3
Mechanic & Repairer Helpers	14	14	0	1	1
Freight, Stock, & Material Movers, Hand	145	168	23	16	39
Hand Packers & Packagers	61	71	10	7	17
Vehicle Washers & Equipment Cleaners	44	46	2	4	6
All Other Helpers & Laborers	2	2	0	0	0
TOTAL OF ALL OCCUPATIONS	7,633	8,597	964	1,059	2,023

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
Sales Representatives, Scientific & Related Products & Services, Exc. Retail

CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical Administrative Support
Credit Authorizers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Electrical Mechs./Installers/Repairers
Electric Home Appliance & Power Tool Repairers

All Other Mechanics, Installers, & Repairers
Mobile Heavy Equip. Mechanics, Exc. Engines

All Other Motor Vehicle Operators
Driving Sales Workers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

GILA COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	102	106	4	5	9
General Managers & Top Executives	91	94	3	4	7
All Other Managers & Administrators	11	12	1	1	2
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	38	42	4	5	9
Accountants & Auditors	13	14	1	1	2
All Other Management Support Workers	14	1	0	0	0
Opticians, Dispensing & Measuring	10	16	2	0	2
Pharmacists	0	11	1	2	3
SALES & RELATED OCCUPATIONS	696	782	86	80	166
First Line Supervisors & Managers - Sales	45	50	5	4	9
Sales Representatives, Exc. Retail	11	11	0	1	1
Salespersons, Retail	283	319	36	28	64
Salespersons, Parts	37	38	1	3	4
Counter & Rental Clerks	13	13	0	2	2
Stock Clerks, Sales Floor	104	118	14	4	18
Cashiers	203	233	30	38	68
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	117	120	3	6	9
First Line Supers.-Clerical & Admin. Support	14	14	0	0	0
Secretaries	16	17	1	2	3
Bookkeeping, Accounting, & Auditing Clerks	43	44	1	2	3
General Office Clerks	19	19	0	2	2
All Office Machine Operators	3	3	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	8	9	1	0	1
Traffic, Shipping, & Receiving Clerks	7	7	0	0	0
All Other Clerical & Administrative Support	7	7	0	0	0
SERVICE OCCUPATIONS	598	681	83	107	190
First Line Supers. & Mgrs./Supers. - Service	59	67	8	11	19
Waiters & Waitresses	181	208	27	40	67
Bakers, Bread & Pastry	35	39	4	5	9
Cooks, Restaurant	61	70	9	9	18
Cooks, Specialty Fast Food	53	61	8	8	16
Combined Food Preparation & Service Workers	121	139	18	21	39
All Other Food Service Workers	24	25	1	3	4
All Health Service Workers	2	2	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	36	40	4	5	9
All Other Service Workers	26	30	4	5	9
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	235	251	16	10	26
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	6	6	0	0	0
Maintenance Repairers, General Utility	9	9	0	0	0
Automotive Mechanics	30	30	0	1	1
All Other Mechanics, Installers, & Repairers	11	11	0	1	1
All Construction Trades Workers	14	15	1	0	1
All Precision Woodworkers	2	2	0	0	0
All Other Precision Workers	9	10	1	0	1
All Machine Operators & Tenders	7	7	0	0	0
Truck Drivers, Heavy or Tractor Trailer	14	15	1	0	1
Truck Drivers, Light - Incl. Delivery & Route	21	23	2	0	2
Service Station Attendants	26	27	1	2	3
Industrial Truck & Tractor Operators	10	11	1	0	1
Freight, Stock, & Material Movers, Hand	50	58	8	5	13
Hand Packers and Packagers	9	10	1	1	2
Vehicle Washers & Equipment Cleaners	10	10	0	0	0
All Other Helpers & Laborers	7	7	0	0	0
TOTAL OF ALL OCCUPATIONS	1,787	1,983	196	213	409

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

GILA COUNTY (CONTINUED)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

MANAGERIAL & ADMINISTRATIVE OCCUPATIONS

- All Other Managers & Administrators
  - Food Service & Lodging Managers

SERVICE OCCUPATIONS

- All Other Food Service Workers
  - Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria
  - Butchers & Meat Cutters

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

- All Other Mechanics, Installers, & Repairers
  - Automotive Body & Related Repairers

- All Other Helpers & Laborers
  - Mechanic & Repairer Helpers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

GRAHAM COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-198
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	74	77	3	2	5
Marketing, Advertising, & Public Rel. Mgrs.	5	5	0	0	0
Food Service & Lodging Managers	8	9	1	1	2
General Managers & Top Executives	51	53	2	1	3
All Other Managers & Administrators	10	10	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	25	26	1	1	2
All Financial Specialists	3	3	0	0	0
All Other Management Support Workers	4	4	0	0	0
All Physical & Life Science Techs.	2	2	0	0	0
All Legal Assistants/Techs. Exc. Clerical	2	2	0	0	0
Pharmacists	8	9	1	1	2
Designers, Exc. Interior Designers	5	5	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	1	1	0	0	0
SALES & RELATED OCCUPATIONS	513	570	57	53	110
First Line Supervisors & Managers - Sales	63	67	4	4	8
Sales Representatives, Exc. Retail	6	6	0	0	0
Salespersons, Retail	198	222	24	15	39
Salespersons, Parts	28	28	0	2	2
Stock Clerks, Sales Floor	70	80	10	3	13
Cashiers	146	165	19	29	48
All Other Sales & Related Workers	2	2	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	85	87	2	3	5
First Line Supers.-Clerical & Admin. Support	5	5	0	0	0
Secretaries	6	6	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	24	25	1	1	2
General Office Clerks	26	26	0	1	1
All Office Machine Operators	1	1	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	5	5	0	0	0
All Other Material Recording/Scheduling/Dist.	17	18	1	1	2
All Other Clerical & Administrative Support	1	1	0	0	0
SERVICE OCCUPATIONS	279	313	34	45	79
First Line Supers. & Mgrs./Supers. - Service	16	17	1	2	3
Bartenders	25	28	3	3	6
Waiters & Waitresses	59	68	9	3	22
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	35	40	5	8	13
Butchers & Meat Cutters	11	12	1	1	2
Cooks, Specialty Fast Food	19	21	2	0	2
Food Preparation Workers	41	47	6	7	13
Combined Food Preparation & Service Workers	38	43	5	6	11
All Other Food Service Workers	12	13	1	3	4
All Health Service Workers	2	2	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	21	22	1	2	3
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	240	255	15	8	23
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	5	5	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	2	2	0	0	0
Automotive Mechanics	22	22	0	1	1
Electric Home Appliance & Power Tool Repairers	15	15	0	0	0
All Other Electrical Mechs./Installers/Repairers	2	2	0	0	0
All Other Mechanics, Installers, & Repairers	34	36	2	0	2
All Construction Trades Workers	4	4	0	0	0
All Precision Workers	4	4	0	0	0
All Machine Operators & Tenders	2	2	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

GRAHAM COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Truck Drivers, Heavy or Tractor Trailer	21	23	2	0	2
Truck Drivers, Light - Incl. Delivery & Route	14	15	1	0	1
All Other Motor Vehicle Operators	1	1	0	0	0
All Other Transportation & Related Workers	8	8	0	0	0
All Transportation & Moving Equip. Operators	1	1	0	0	0
Mechanic & Repairer Helpers	6	6	0	0	0
Freight, Stock, & Material Movers, Hand	60	69	9	6	15
Hand Packers & Packagers	8	8	0	0	0
Vehicle Washers & Equipment Cleaners	12	12	0	1	1
All Other Helpers & Laborers	19	20	1	0	1
TOTAL OF ALL OCCUPATIONS	1,216	1,328	112	112	224

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
- Traffic, Shipping, & Receiving Clerks

SERVICE OCCUPATIONS

All Other Food Service Workers
- Cooks, Restaurant

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
- Mobile Heavy Equip. Mechanics, Exc. Engines
- Farm Equipment Mechanics
- Tire Repairers & Changers

All Other Transportation & Related Workers
- Service Station Attendants

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

GREENLEE COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	8	8	0	0	0
General Managers & Top Executives	6	6	0	0	0
All Other Managers & Administrators	2	2	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	4	4	0	0	0
All Management Support Workers	1	1	0	0	0
All Health Professionals, Paraprofessionals, & Technicians	3	3	0	0	0
SALES & RELATED OCCUPATIONS	108	119	11	8	19
First Line Supervisors & Managers - Sales	14	15	1	1	2
Salespersons, Retail	52	58	6	4	10
Stock Clerks, Sales Floor	22	25	3	1	4
Cashiers	20	21	1	2	3
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	17	18	1	1	2
General Office Clerks	5	5	0	1	1
All Material Recording/Scheduling/Dist.	1	1	0	0	0
All Other Clerical & Administrative Support	11	12	1	0	1
SERVICE OCCUPATIONS	93	98	5	9	14
All Service Supervisors & Managers	1	1	0	0	0
Bartenders	15	16	1	1	2
Butchers & Meat Cutters	6	6	0	0	0
Cooks, Specialty Fast Food	9	10	1	1	2
All Other Food Service Workers	49	52	3	6	9
All Health Service Workers	2	2	0	0	0
All Cleaning/Building Service, Exc. Private House	11	11	0	1	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	13	13	0	0	0
All Mechanics, Installers, & Repairers	1	1	0	0	0
All Motor Vehicle Operators	6	6	0	0	0
Service Station Attendants	6	6	0	0	0
TOTAL OF ALL OCCUPATIONS	243	260	17	18	35

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SERVICE OCCUPATIONS

All Other Food Service Workers
- Waiters & Waitresses
- Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria
- Cooks, Restaurant
- Food Preparation Workers
- Combined Food Preparation & Service Workers

All Cleaning/Building Service, Exc. Private House
- Maids & Housekeeping Cleaners
- Janitors & Cleaners, Exc. Maids & Housekeeping

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Motor Vehicle Operators
- Truck Drivers, Light - Incl. Delivery & Route

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

LA PAZ COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	28	28	0	0	0
Food Service & Lodging Managers	7	7	0	0	0
General Managers & Top Executives	20	20	0	0	0
All Other Managers & Administrators	1	1	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	5	5	0	0	0
All Management Support Workers	5	5	0	0	0
SALES & RELATED OCCUPATIONS	206	223	17	20	37
First Line Supervisors & Managers - Sales	15	16	1	1	2
Salespersons, Retail	37	39	2	2	4
Salespersons, Parts	16	17	1	0	1
Stock Clerks, Sales Floor	45	51	6	2	8
Cashiers	86	93	7	15	22
All Other Sales & Related Workers	7	7	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	31	31	0	1	1
Secretaries	2	2	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	10	10	0	0	0
General Office Clerks	10	10	0	1	1
All Material Recording/Scheduling/Dist.	4	4	0	0	0
All Other Clerical & Administrative Support	5	5	0	0	0
SERVICE OCCUPATIONS	343	381	38	54	92
First Line Supers. & Mgrs./Supers. - Service	12	13	1	2	3
All Protective Service Workers	5	5	0	0	0
Bartenders	66	76	10	9	19
Waiters & Waitresses	139	157	18	30	48
Cooks, Restaurant	28	30	2	3	5
Cooks, Specialty Fast Food	31	35	4	4	8
Food Preparation Workers	24	26	2	3	5
All Other Food Service Workers	15	15	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	23	24	1	3	4
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	143	149	6	5	11
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	5	5	0	0	0
Automotive Mechanics	18	18	0	0	0
All Construction Trades Workers	5	5	0	0	0
All Other Mechanics, Installers, & Repairers	29	30	1	0	1
All Precision Workers	3	3	0	0	0
Truck Drivers, Heavy or Tractor Trailer	9	9	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	10	10	0	0	0
Service Station Attendants	19	19	0	2	2
All Transportation Moving Equip. Operators	2	2	0	0	0
Freight, Stock, & Material Movers, Hand	34	39	5	3	8
All Other Helpers & Laborers	9	9	0	0	0
TOTAL OF ALL OCCUPATIONS	757	818	61	80	141

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

LA PAZ COUNTY (CONTINUED)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SERVICE OCCUPATIONS

- All Other Food Service Workers
  - Butchers & Meat Cutters
  - Combined Food Preparation & Service Workers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

- All Other Mechanics, Installers, & Repairers
  - Maintenance Repairers, General Utility
  - Bus & Truck Mechs., Diesel Eng. Specialists
  - Farm Equipment Mechanics

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING (CONTINUED)

- All Other Construction Trades Workers
  - Carpet Installers
- All Other Helpers & Laborers
  - Vehicle Washers & Equipment Cleaners

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MARICOPA COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	13,399	16,659	3,260	1,704	4,964
Financial Managers	287	339	52	23	75
Personnel, Training, & Labor Relation Mgrs.	146	172	26	10	36
Purchasing Managers	770	928	158	66	224
Marketing, Advertising, & Public Rel. Mgrs.	735	887	152	91	243
Administrative Services Managers	62	68	6	3	9
Transportation, Communications, & Utilities Operations Managers	163	187	24	3	27
Food Service & Lodging Managers	2,206	2,886	680	356	1,036
General Managers & Top Executives	7,945	9,880	1,935	1,006	2,941
All Other Managers & Administrators	1,085	1,312	227	146	373
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	6,292	7,640	1,348	656	2,004
Accountants & Auditors	577	697	120	71	191
Budget Analysts	10	11	1	0	1
All Other Financial Specialists	38	42	4	2	6
Wholesale & Retail Buyers, Exc. Farm Products	891	1,067	176	122	298
Purchasing Agents & Buyers, Farm Products	153	180	27	11	38
Purchasing Agents, Exc. Wholesale, Retail, & Farm	108	124	16	8	24
Personnel, Training, & Labor Rel. Specialists	155	180	25	11	36
Cost Estimators	78	93	15	15	30
All Other Management Support Workers	200	238	38	21	59
Electrical & Electronic Engineers	139	167	28	7	35
Mechanical Engineers	43	49	6	1	7
All Other Engineers	14	16	2	0	2
Electrical/Electronic Engineering Technicians	803	976	173	45	218
Mechanical Engineering Technicians	26	29	3	0	3
Drafters	53	62	9	0	9
All Other Engineering & Related Technicians	2	2	0	0	0
Physical Scientists	12	13	1	0	1
Life Scientists	1	1	0	0	0
Physical & Life Science Technicians & Technologists	6	6	0	0	0
Systems Analysts, Electronic Data Processing	312	372	60	11	71
Computer Programmers	279	331	52	10	62
Computer Programmer Aides	34	38	4	1	5
Opticians, Dispensing & Measuring	247	318	71	36	107
Pharmacists	760	968	208	171	379
All Other Health Professionals, Paraprofessionals, & Technicians	16	18	2	2	4
Writers & Editors	23	26	3	1	4
Artists & Related Workers	120	138	18	15	33
Designers, Exc. Interior Designers	277	343	66	18	84
Interior Designers	286	360	74	12	86
Merchandise Displayers & Window Trimmers	147	169	22	25	47
Musicians, Instrumental	74	97	23	11	34
All Other Professional, Paraprofessional, & Technical Workers	408	509	101	29	130
SALES & RELATED OCCUPATIONS	70,916	86,735	15,819	10,435	26,254
First Line Supervisors & Managers - Sales	7,398	9,064	1,666	1,070	2,736
Sales Engineers	202	239	37	7	44
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	2,858	3,458	600	375	975
All Other Sales Representatives, Exc. Retail	10,180	12,417	2,237	1,704	3,941
Salespersons, Retail	29,241	35,802	6,561	3,846	10,407
Salespersons, Parts	2,184	2,676	492	264	756
Counter & Rental Clerks	736	894	158	142	300
Stock Clerks, Sales Floor	4,988	6,068	1,080	308	1,388
Cashiers	11,804	14,505	2,701	2,494	5,195
News/Street Vendors, Phone Solicitors, Door-to-Door Sales Workers	543	676	133	109	242
Demonstrators, Promoters, & Models	274	332	58	44	102
All Other Sales & Related Workers	508	604	96	72	168

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MARICOPA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	25,192	30,593	5,401	4,041	9,442
First Line Supers. -Clerical & Admin. Support	1,682	2,052	370	207	577
Credit Authorizers	143	170	27	27	54
Credit Managers	183	216	33	34	67
Adjustment Clerks	583	690	107	116	223
Bill & Account Collectors	272	326	54	36	90
Secretaries	2,369	2,902	533	540	1,073
Receptionists & Information Clerks	415	496	81	78	159
Typists	118	138	20	25	45
Typists, Word Processing Equipment	37	41	4	1	5
Personnel Clerks, Exc. Payroll & Timekeeping	150	173	23	38	61
Correspondence Clerks	10	11	1	1	2
File Clerks	96	110	14	22	36
Order Clerks - Materials, Merch., & Service	1,369	1,654	285	281	566
Bookkeeping, Accounting, & Auditing Clerks	4,395	5,434	1,039	871	1,910
Payroll & Timekeeping Clerks	185	217	32	21	53
Billing, Cost & Rate Clerks	589	711	122	116	238
General Office Clerks	2,903	3,553	650	625	1,275
Billing, Posting, & Calculating Machine Opers.	194	232	38	31	69
Computer Operators, Exc. Peripheral Equipment	244	286	42	16	58
Peripheral EDP Equipment Operators	118	142	24	26	50
Data Entry Keyers, Exc. Composing	590	706	116	34	150
All Other Office Machine Operators	12	13	1	1	2
Switchboard Operators	420	497	77	100	177
Mail Clerks, Exc. Mail Machine Operators & Postal Service	59	67	8	6	14
Dispatchers - Exc. Police, Fire, & Ambulance	250	296	46	15	61
Weighers, Measurers, Checkers, & Samplers, Record	44	50	6	2	8
Marking Clerks	453	535	82	94	176
Stock Clerks - Stockroom, Warehouse, or Yard	2,951	3,596	645	323	968
Order Fillers, Wholesale & Retail Sales	1,864	2,273	409	107	516
Traffic, Shipping, & Receiving Clerks	2,148	2,601	453	234	687
All Other Material Recording/Scheduling/Dist.	103	120	17	9	26
All Other Clerical & Administrative Support	243	285	42	4	46
SERVICE OCCUPATIONS	60,625	78,794	18,169	11,306	29,475
First Line Supers. & Mgrs./Supers. - Service	2,240	2,899	659	467	1,126
Detectives & Investigators, Exc. Public	194	230	36	9	45
Guards & Watch Guards	466	588	122	26	148
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	1,896	2,478	582	441	1,023
Bartenders	3,580	4,700	1,120	548	1,668
Waiters & Waitresses	13,505	17,666	4,161	3,147	7,308
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	3,684	4,812	1,128	218	1,346
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	2,912	3,644	832	678	1,510
Bakers, Bread & Pastry	898	1,106	208	155	363
Butchers & Meat Cutters	915	1,103	188	97	285
Cooks, Restaurant	3,884	5,070	1,186	628	1,814
Cooks, Institution or Cafeteria	569	744	175	91	266
Cooks, Specialty Fast Food	2,212	2,901	689	358	1,047
Cooks, Short Order	1,012	1,316	304	125	429
Food Preparation Workers	5,546	7,249	1,703	1,053	2,756
Combined Food Preparation & Service Workers	14,323	18,735	4,412	2,725	7,137
All Other Food Service Workers	581	713	132	107	239
Pharmacy Assistants	208	265	57	49	106
Maids & Housekeeping Cleaners	73	94	21	18	39
Janitors & Cleaners, Exc. Maids & Housekeeping	1,640	2,013	373	290	663
All Other Cleaning/Building Service, Exc. Private House	98	120	22	14	36
Hairdressers, Hairstylists, & Cosmetologists	161	189	28	42	70
All Other Service Workers	128	159	31	20	51

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MARICOPA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1,045	1,290	245	200	445
Nursery Workers	383	479	96	75	171
Graders & Sorters, Agricultural Products	25	30	5	4	9
Gardeners & Groundskeepers, Exc. Farm	613	754	141	120	261
All Other Agri., Forestry, Fishing, & Related	24	27	3	1	4
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	35,469	43,406	7,937	3,337	11,274
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	1,074	1,310	236	140	376
First Line Mgrs./Supers. - Production & Opers.	562	676	114	101	215
Production Inspectors, Testers, & Graders	53	60	7	3	10
All Other Inspectors, Testers, & Related	41	48	7	5	12
Machinery Maintenance Mechanics	77	89	12	1	13
Maintenance Repairers, General Utility	854	1,028	174	68	242
Automotive Mechanics	3,353	4,163	810	277	1,087
Automotive Body & Related Repairers	519	645	126	48	174
Motorcycle Repairers	100	123	23	5	28
Bus & Truck Mechs., & Diesel Eng. Specialists	626	751	125	48	173
Mobile Heavy Equip. Mechanics, Exc. Engines	442	534	92	24	116
Farm Equipment Mechanics	106	128	22	7	29
Aircraft Mechanics	71	88	17	4	21
Small Engine Specialists	53	65	12	4	16
Data Processing Equipment Repairers	402	493	91	20	111
Electronic Home Entertainment Equip. Repairers	265	335	70	17	87
Electric Home Appliance & Power Tool Repairers	242	289	47	24	71
Electrical Installers & Repairers, Transportation Equipment	65	78	13	4	17
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	408	494	86	34	120
Camera & Photographic Equipment Repairers	8	10	2	0	2
Watchmakers	18	23	5	1	6
Musical Instrument Repairers & Tuners	37	47	10	3	13
Office Machine & Cash Register Servicers	638	772	134	59	193
Installers/Repairers - Manufactured Buildings	279	348	69	24	93
Gas Appliance Repairers	10	12	2	0	2
Coin & Vending Machine Servicers & Repairers	97	122	25	8	33
Bicycle Repairers	73	93	20	6	26
Tire Repairers & Changers	589	730	141	65	206
All Other Mechanics, Installers, & Repairers	805	988	183	68	251
Carpenters	125	154	29	12	41
Electricians	17	19	2	0	2
Painters & Paperhangers - Construction & Maintenance	7	7	0	0	0
Plumbers, Pipefitters, & Steamfitters	18	21	3	1	4
Carpet Installers	111	137	26	5	31
Floor Layers, Exc. Carpet, Wood, & Hard Tiles	102	128	26	4	30
Glaziers	169	205	36	14	50
All Other Construction Trades Workers	280	350	70	17	87
Machinists	259	312	53	24	77
Jewelers & Silversmiths	200	256	56	37	93
Sheet Metal Workers	8	10	2	0	2
Wood Machinists	120	149	29	12	41
Cabinetmakers & Bench Carpenters	566	716	150	48	198
Furniture Finishers	175	219	44	6	50
Custom Tailors & Sewers	250	293	43	40	83
Upholsterers	22	27	5	2	7
All Other Precision Workers	718	885	167	62	229
Sewing Machine Operators, Garment	30	34	4	3	7
Sewing Machine Operators, Non-Garment	165	212	47	23	70
Painters, Transportation Equipment	62	76	14	6	20
Packaging & Filling Machine Opers. & Tenders	238	287	49	25	74
All Machine Setters & Set-Up Operators	35	40	5	2	7
All Other Machine Operators & Tenders	435	533	98	43	141

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MARICOPA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Welders & Cutters	215	258	43	16	59
Assemblers/Fabricators - Exc. Machine, Electrical, & Precision	554	679	125	56	181
All Other Hand Workers	161	193	32	12	44
All Plant System Operators	18	20	2	1	3
Truck Drivers, Heavy or Tractor Trailer	1,856	2,256	400	127	527
Truck Drivers, Light - Incl. Delivery & Route	3,419	4,215	796	240	1,036
Driving Sales Workers	618	757	139	39	178
Service Station Attendants	1,560	1,943	383	81	564
All Other Transportation & Related Workers	97	118	21	9	30
Hoist & Winch Operators	44	53	9	3	12
Crane & Tower Operators	17	19	2	0	2
Industrial Truck & Tractor Operator	325	397	72	18	90
Conveyor Operators & Tenders	192	231	39	21	60
All Other Material Moving Equipment Operators	180	217	37	14	51
Mechanic & Repairer Helpers	520	635	115	56	171
Freight, Stock, & Material Movers, Hand	4,877	5,913	1,036	551	1,587
Hand Packers & Packagers	2,269	2,730	461	254	715
Vehicle Washers & Equipment Cleaners	852	1,055	203	95	298
All Other Helpers & Laborers	1,716	2,105	389	190	579
TOTAL OF ALL OCCUPATIONS	212,938	265,117	52,179	31,679	83,858

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Professional, Paraprofessional, & Technical Workers
Photographers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Construction Trades Workers
Floor Sanding Machine Operators

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MOHAVE COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	358	394	36	28	64
Purchasing Managers	15	15	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	6	6	0	0	0
Food Service & Lodging Managers	40	46	6	6	12
General Managers & Top Executives	287	316	29	22	51
All Other Managers & Administrators	10	11	1	0	1
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	82	91	9	7	16
Accountants & Auditors	7	7	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	6	6	0	0	0
All Other Management Support Workers	1	1	0	0	0
Electrical/Electronic Engineering Technicians	7	8	1	0	1
Pharmacists	30	35	5	6	11
Designers, Exc. Interior Designers	20	23	3	1	4
All Other Professional, Paraprofessional, & Technical Workers	11	11	0	0	0
SALES & RELATED OCCUPATIONS	1,639	1,842	203	195	398
First Line Supervisors & Managers - Sales	159	175	16	15	31
Sales Representatives, Exc. Retail	47	51	4	4	8
Salespersons, Retail	647	727	80	67	147
Salespersons, Parts	36	36	0	2	2
Stock Clerks, Sales Floor	231	265	34	10	44
Cashiers	498	565	67	96	163
All Other Sales & Related Workers	21	23	2	1	3
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	338	353	15	27	42
First Line Supers.-Clerical & Admin. Support	29	29	0	0	0
Adjustment Clerks	8	8	0	0	0
Secretaries	63	65	2	5	7
Bookkeeping, Accounting, & Auditing Clerks	87	92	5	10	15
Payroll & Timekeeping Clerks	6	6	0	0	0
Billing, Cost, & Rate Clerks	16	17	1	2	3
General Office Clerks	34	36	2	4	6
All Office Machine Operators	11	11	0	0	0
All Communication Equipment Operators	4	4	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	30	31	1	1	2
All Other Material Recording/Scheduling/Dist.	42	46	4	5	9
All Other Clerical & Administrative Support	24	25	1	2	3
SERVICE OCCUPATIONS	1,609	1,836	227	279	506
First Line Supers. & Mgrs./Supers. - Service	81	92	11	16	27
All Protective Service Workers	7	7	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	26	30	4	5	9
Bartenders	56	64	8	8	16
Waiters & Waitresses	331	379	48	73	121
Dining Room/Cafeteria Attdts. & Bartr. Helpers	56	64	8	3	11
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	133	152	19	30	49
Bakers, Bread & Pastry	9	10	1	1	2
Butchers & Meat Cutters	37	43	6	3	9
Cooks, Restaurant	111	128	17	17	34
Cooks, Specialty Fast Food	194	223	29	30	59
Food Preparation Workers	76	87	11	12	23
Combined Food Preparation & Service Workers	399	459	60	72	132
All Other Food Service Workers	21	21	0	2	2
Janitors & Cleaners, Exc. Maids & Housekeeping	60	64	4	6	10
All Other Cleaning/Building Service, Exc. Private House	4	4	0	0	0
All Other Service Workers	8	9	1	1	2
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	11	12	1	1	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

MOHAVE COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	1,030	1,103	73	65	138
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	31	31	0	2	2
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	4	4	0	0	0
Maintenance Repairers, General Utility	7	7	0	0	0
Automotive Mechanics	141	145	4	8	12
Automotive Body & Related Repairers	11	11	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	34	37	3	2	5
Mobile Heavy Equip. Mechanics, Exc. Engines	17	19	2	0	2
Small Engine Specialists	23	24	1	2	3
Electronic Home Entertainment Equip. Repairers	7	8	1	0	1
Installers/Repairers - Manufactured Buildings	14	16	2	1	3
Tire Repairers & Changers	56	58	2	5	7
All Other Mechanics, Installers, & Repairers	13	13	0	0	0
Glaziers	6	7	1	0	1
All Other Construction & Extraction Workers, Exc. Helpers	12	14	2	0	2
Furniture Finishers	23	27	4	1	5
All Other Precision Woodworkers	4	4	0	0	0
All Precision Textile & Apparel Workers	8	8	0	0	0
All Other Precision Workers	8	9	1	0	1
All Machine Operators & Tenders	6	6	0	0	0
Welders & Cutters	11	12	1	0	1
Truck Drivers, Heavy or Tractor Trailer	8	8	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	42	44	2	1	3
Driving Sales Workers	110	119	9	3	12
Service Station Attendants	51	58	7	2	9
All Material Moving Equipment Operators	188	197	9	20	29
Freight, Stock, & Material Movers, Hand	4	4	0	0	0
Hand Packers & Packagers	80	91	11	8	19
Vehicle Washers & Equipment Cleaners	44	51	7	5	12
All Other Helpers & Laborers	27	27	0	2	2
All Other Hand Workers	40	44	4	3	7
TOTAL OF ALL OCCUPATIONS	5,067	5,631	564	602	1,166

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
Sales Representatives, Scientific & Related Products & Services, Exc. Retail
Counter & Rental Clerks

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Office Machine Operators
Data Entry Keyers, Exc. Composing

All Other Material Recording/Scheduling/Dist.
Marking Clerks
Order Fillers, Wholesale & Retail Sales
Traffic, Shipping, & Receiving Clerks

SERVICE OCCUPATIONS

All Protective Service Workers
Guards & Watch Guards

All Other Food Service Workers
Cooks, Short Order

AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS

Gardeners & Groundskeepers, Exc. Farm

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Construction & Extraction Workers, Exc. Helpers
Carpet Installers

All Precision Textile & Apparel Workers
Custom Tailors & Sewers

All Machine Operators & Tenders
Sewing Machine Operators, Garment

All Other Helpers & Laborers
Mechanic & Repairer Helpers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

NAVAJO COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	305	335	30	26	56
Purchasing Managers	9	9	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	10	10	0	0	0
Food Service & Lodging Managers	64	73	9	9	18
General Managers & Top Executives	215	236	21	17	38
All Other Managers & Administrators	7	7	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	28	30	2	2	4
Accountants & Auditors	7	7	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	6	6	0	0	0
All Other Management Support Workers	1	1	0	0	0
Pharmacists	11	13	2	2	4
All Other Professional, Paraprofessional, & Technical Workers	3	3	0	0	0
SALES & RELATED OCCUPATIONS	1,157	1,306	149	150	299
First Line Supervisors & Managers - Sales	101	111	10	10	20
Salespersons, Retail	459	518	59	49	108
Salespersons, Parts	35	35	0	2	2
Stock Clerks, Sales Floor	138	160	22	7	29
Counter & Rental Clerks	9	9	0	1	1
Cashiers	382	439	57	76	133
News/Street Vendors, Phone Solicitors, Door-to-Door Sales Workers	25	26	1	5	6
All Other Sales & Related Workers	33	34	1	5	6
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	203	212	9	15	24
First Line Supers.-Clerical & Admin. Support	35	36	1	2	3
Secretaries	15	15	0	1	1
Bookkeeping, Accounting, & Auditing Clerks	54	56	2	5	7
General Office Clerks	35	36	1	5	6
All Office Machine Operators	2	2	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	22	23	1	1	2
Order Fillers, Wholesale & Retail Sales	16	19	3	1	4
Traffic, Shipping, & Receiving Clerks	7	7	0	0	0
All Other Clerical & Administrative Support	17	18	1	0	1
SERVICE OCCUPATIONS	1,213	1,383	170	207	377
First Line Supers. & Mgrs./Supers. - Service	31	34	3	5	8
All Protective Service Workers	2	2	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	17	19	2	3	5
Bartenders	58	66	8	8	16
Waiters & Waitresses	318	367	49	71	120
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	33	38	5	1	6
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	27	31	4	6	10
Bakers, Bread & Pastry	8	8	0	0	0
Butchers Meat Cutters	25	28	3	1	4
Cooks, Restaurant	115	131	16	17	33
Cooks, Institution or Cafeteria	11	12	1	1	2
Cooks, Specialty Fast Food	57	65	8	8	16
Cooks, Short Order	19	21	2	2	4
Food Preparation Workers	109	124	15	19	34
Combined Food Preparation & Service Workers	302	347	45	54	99
Maids & Housekeeping Cleaners	17	19	2	3	5
Janitors & Cleaners, Exc. Maids & Housekeeping	64	71	7	8	15
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	6	6	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	623	623	50	42	92
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	13	13	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

NAVAJO COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	2	2	0	0	0
Maintenance Repairers, General Utility	8	8	0	0	0
Automotive Mechanics	58	60	2	3	5
Automotive Body & Related Repairers	7	7	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	12	12	0	0	0
Mobile Heavy Equip. Mechanics, Exc. Engines	9	10	1	0	1
Tire Repairers & Changers	55	56	1	4	5
All Other Mechanics, Installers, & Repairers	19	20	1	1	2
Machinists	9	9	0	0	0
Cabinetmakers & Bench Carpenters	11	13	2	0	2
All Other Precision Workers	2	2	0	0	0
All Machine Operators & Tenders	3	3	0	0	0
All Hand Workers	7	8	1	0	1
Truck Drivers, Heavy or Tractor Trailer	43	48	5	2	7
Truck Drivers, Light - Incl. Delivery & Route	25	27	2	0	2
Service Station Attendants	128	136	8	13	21
All Material Moving Equipment Operators	3	3	0	0	0
Mechanic & Repairer Helpers	11	11	0	0	0
Freight, Stock, & Material Movers, Hand	89	102	13	8	21
Hand Packers and Packagers	72	83	11	8	19
Vehicle Washers & Equipment Cleaners	24	25	1	2	3
All Other Helpers & Laborers	20	22	2	1	3
TOTAL OF ALL OCCUPATIONS	3,535	3,945	410	442	852

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Gas Appliance Repairers

All Hand Workers
Assemblers/Fabricators - Exc. Machine, Electrical & Precision

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PIMA COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	3,396	4,021	625	399	1,024
Financial Managers	47	53	6	2	8
Personnel, Training, & Labor Relations Mgrs.	16	16	0	0	0
Purchasing Managers	151	161	10	5	15
Marketing, Advertising, & Public Rel. Mgrs.	156	174	18	16	34
Administrative Services Managers	7	7	0	0	0
Transportation, Communications, Utilities Operations Managers	14	14	0	0	0
Food Service & Lodging Managers	660	866	206	106	312
General Managers & Top Executives	2,112	2,472	360	242	602
All Other Managers & Administrators	233	258	25	28	53
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,552	1,791	239	168	407
Accountants & Auditors	112	127	15	10	25
All Other Financial Specialists	6	6	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	96	218	22	21	43
Purchasing Agents & Buyers, Farm Products	20	22	2	1	3
Purchasing Agents, Exc. Wholesale, Retail, & Farm	10	10	0	0	0
Personnel, Training, & Labor Rel. Specialists	22	22	0	2	2
Cost Estimators	6	6	0	1	1
All Other Management Support Workers	82	93	11	9	20
Electrical & Electronic Engineers	8	8	0	0	0
All Other Engineers	6	6	0	0	0
Electrical/Electronic Engineering Technicians	78	85	7	3	10
Drafters	9	10	1	0	1
All Other Engineering & Related Technicians	1	8	0	0	0
All Life Scientists	8	1	0	0	0
All Physical & Life Science Techs.	4	4	0	0	0
Systems Analysts, Electronic Data Processing	57	63	6	2	8
Computer Programmers	101	111	10	4	14
Opticians, Dispensing & Measuring	8	8	0	0	0
Pharmacists	247	288	41	53	94
All Other Health Professionals, Paraprofessionals, & Technicians	63	76	13	13	26
Writers & Editors	10	11	1	1	2
Artists & Related Workers	19	21	2	2	4
Designers, Exc. Interior Designers	41	45	4	2	6
Interior Designers	46	51	5	1	6
Merchandise Displayers & Window Trimmers	37	38	1	7	8
Musicians, Instrumental	89	117	28	13	41
All Other Professional, Paraprofessional, & Technical Workers	266	336	70	23	93
SALES & RELATED OCCUPATIONS	17,194	19,615	2,421	2,445	4,866
First Line Supervisors & Managers - Sales	1,799	2,046	247	241	488
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	205	225	20	22	42
All Other Sales Representatives, Exc. Retail	1,451	1,636	185	230	415
Salespersons, Retail	7,452	8,226	774	938	1,712
Salespersons, Parts	629	719	90	70	160
Counter & Rental Clerks	86	96	10	13	23
Stock Clerks, Sales Floor	1,346	1,586	240	76	316
Cashiers	3,945	4,784	839	820	1,659
News/Street Vendors, Phone Solicitors, Door-to-Door Sales Workers	53	57	4	9	13
Demonstrators, Promoters, & Models	56	58	2	6	8
All Other Sales & Related Workers	172	182	10	20	30
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	4,829	5,342	513	659	1,172
First Line Supers.-Clerical & Admin. Support	311	344	33	31	64
Credit Authorizers	15	15	0	2	2
Credit Managers	21	21	0	2	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PIMA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Adjustment Clerks	130	137	7	24	31
Bill & Account Collectors	65	74	9	7	16
Secretaries	343	385	42	61	103
Receptionists & Information Clerks	59	62	3	7	10
Personnel Clerks, Exc. Payroll & Timekeeping	21	21	0	4	4
Order Clerks - Materials, Merch., & Service	316	348	32	57	89
Bookkeeping, Accounting, & Auditing Clerks	924	1,046	122	166	288
Payroll & Timekeeping Clerks	28	29	1	2	3
Billing, Cost & Rate Clerks	96	105	9	14	23
General Office Clerks	665	740	75	126	201
Billing, Posting, & Calculating Machine Opers.	42	45	3	5	8
Computer Operators, Exc. Peripheral Equipment	45	47	2	2	4
Peripheral EDP Equipment Operators	29	31	2	5	7
Data Entry Keyers, Exc. Composing	179	201	22	12	34
All Other Office Machine Operators	2	2	0	0	0
Switchboard Operators	105	111	6	22	28
Dispatchers - Exc. Police, Fire, & Ambulance	40	43	3	2	5
Marking Clerks	35	35	0	4	4
Stock Clerks - Stockroom, Warehouse, or Yard	503	550	47	45	92
Order Fillers, Wholesale & Retail Sales	226	252	26	8	34
Traffic, Shipping, & Receiving Clerks	436	479	43	37	80
All Other Material Recording/Scheduling/Dist.	96	109	13	9	22
All Other Clerical & Administrative Support	97	110	13	5	18
SERVICE OCCUPATIONS	16,129	21,001	4,872	3,042	7,914
First Line Supers. & Mgrs./Supers. - Service	781	1,017	236	162	398
Detectives & Investigators, Exc. Public	32	33	1	1	2
Guards & Watch Guards	66	76	10	3	13
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	341	447	106	78	184
Bartenders	997	1,312	315	152	467
Waiters & Waitresses	3,337	4,389	1,052	777	1,829
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	536	707	171	32	203
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	889	1,152	263	214	477
Bakers, Bread & Pastry	503	645	142	86	228
Butchers & Meat Cutters	221	272	51	22	73
Cooks, Restaurant	758	992	234	121	355
Cooks, Institution or Cafeteria	168	221	53	27	80
Cooks, Specialty Fast Food	867	1,141	274	140	414
Cooks, Short Order	285	371	86	35	121
Food Preparation Workers	1,461	1,913	452	274	726
Combined Food Preparation & Service Workers	4,010	5,271	1,261	761	2,022
All Other Food Service Workers	82	102	20	13	33
Pharmacy Assistants	81	94	13	18	31
Maids & Housekeeping Cleaners	36	42	6	7	13
Janitors & Cleaners, Exc. Maids & Housekeeping	553	668	115	92	207
Hairdressers, Hairstylists, & Cosmetologists	75	77	2	19	21
All Other Service Workers	50	59	9	8	17
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	84	96	12	14	26
Nursery Workers	62	71	9	10	19
Gardeners & Groundskeepers, Exc. Farm	22	25	3	4	7
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	7,842	8,959	1,117	650	1,767
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	271	302	31	29	60
All Inspectors, Testers, & Related	25	25	0	1	1
Maintenance Repairers, General Utility	127	146	19	5	24
Automotive Mechanics	798	929	131	61	192
Automotive Body & Related Repairers	125	145	20	10	30
Motorcycle Repairers	21	24	3	1	4
Farm Equipment Mechanics	48	53	5	3	8

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PIMA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Bus & Truck Mechs., & Diesel Eng. Specialists	87	95	8	4	12
Mobile Heavy Equip. Mechanics, Exc. Engines	78	87	9	4	13
Small Engine Specialists	31	33	2	1	3
Electronic Home Entertainment Equip. Repairers	38	43	5	2	7
Electric Home Appliance & Power Tool Repairers	60	62	2	6	8
Electrical Installers & Repairers, Transportation Equipment	86	96	10	5	15
All Other Electrical Mechs./Installers/Repairers	3	3	0	0	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	29	32	3	2	5
Office Machine & Cash Register Servicers	89	97	8	7	15
Installers/Repairers - Manufactured Buildings	50	58	8	3	11
Coin & Vending Machine Servicers & Repairers	21	24	3	1	4
Bicycle Repairers	46	53	7	4	11
Tire Repairers & Changers	277	321	44	29	73
All Other Mechanics, Installers, & Repairers	102	107	5	3	8
Carpenters	202	228	26	24	50
Painters & Paperhangers - Construction & Maintenance	6	6	0	0	0
Carpet Installers	54	61	7	1	8
Floor Layers, Exc. Carpet, Wood, & Hard Tiles	35	39	4	0	4
All Other Construction Trades Workers	69	79	10	5	15
Machinists	114	128	14	10	24
Jewelers & Silversmiths	39	44	5	6	11
Cabinetmakers & Bench Carpenters	103	116	13	6	19
Furniture Finishers	45	52	7	1	8
Wood Machinists	5	5	0	0	0
Custom Tailors & Sewers	61	62	1	9	10
Upholsterers	13	14	1	1	2
All Other Precision Workers	66	71	5	3	8
Sewing Machine Operators, Garment	19	20	1	2	3
Sewing Machine Operators, Non-Garment	40	44	4	4	8
Painters, Transportation Equipment	43	49	6	4	10
All Setters & Set-Up Operators	8	8	0	0	0
All Machine Operators & Tenders	70	79	9	4	13
Welders & Cutters	35	38	3	2	5
Assemblers/Fabricators - Exc. Machine, Electrical & Precision	579	585	66	57	123
All Other Hand Workers	106	116	10	8	18
All Plant & System Operators	2	2	0	0	0
Truck Drivers, Heavy or Tractor Trailer	424	468	44	23	67
Truck Drivers, Light - Incl. Delivery & Route	672	763	91	36	127
Driving Sales Workers	223	267	44	12	56
Service Station Attendants	618	726	108	70	178
All Other Transportation & Related Workers	4	4	0	0	0
Industrial Truck & Tractor Operators	94	105	11	4	15
All Other Material Moving Equipment Operators	13	13	0	0	0
Mechanic & Repairer Helpers	67	75	8	5	13
Freight, Stock, & Material Movers, Hand	895	1,062	167	91	258
Hand Packers & Packagers	343	425	82	39	121
Vehicle Washers & Equipment Cleaners	137	159	22	13	35
All Other Helpers & Laborers	186	201	15	15	30
TOTAL OF ALL OCCUPATIONS	51,026	60,825	9,799	7,377	17,176

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PIMA COUNTY (CONTINUED)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineering & Related Technicians
 Mechanical Engineering Technicians

All Other Professional, Paraprofessional, & Technical Workers
 Computer Programmer Aides

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
 Weighers, Measurers, Checkers, & Samplers-Recordkeeping

All Other Clerical & Administrative Support
 Mail Clerks, Exc. Mail Machine Operators & Postal Service

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Inspectors, Testers, & Related
 Production Inspectors, Testers, & Graders

All Other Mechanics, Installers, & Repairers
 Machinery Maintenance Mechanics
 Musical Instrument Repairers & Tuners

All Other Construction Trades Workers
 Glaziers

All Machine Operators & Tenders
 Packaging & Filling Machine Operators & Tenders

All Other Material Moving Equipment Operators
 Conveyor Operators & Tenders

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PINAL COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	288	315	27	21	48
Purchasing Managers	16	16	0	0	0
Food Service & Lodging Managers	42	48	6	6	12
General Managers & Top Executives	202	221	19	13	32
All Other Managers & Administrators	28	30	2	2	4
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	84	93	9	7	16
Accountants & Auditors	12	12	0	0	0
All Other Management Support Workers	11	11	0	0	0
All Engineering & Related Technicians	7	7	0	0	0
Pharmacists	28	33	5	6	11
Designers, Exc. Interior Designers	16	19	3	1	4
All Other Professional, Paraprofessional, & Technical Workers	10	11	1	0	1
SALES & RELATED OCCUPATIONS	1,489	1,676	187	197	384
First Line Supervisors & Managers - Sales	168	186	18	16	34
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	28	30	2	2	4
All Other Sales Representatives, Exc. Retail	13	13	0	1	1
Salespersons, Retail	552	628	76	61	137
Salespersons, Parts	59	62	3	4	7
Counter & Rental Clerks	37	39	2	6	8
Stock Clerks, Sales Floor	118	134	16	6	22
Cashiers	504	574	70	100	170
All Other Sales & Related Workers	10	10	0	1	1
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	304	322	18	28	46
First Line Supers.-Clerical & Admin. Support	25	26	1	2	3
Secretaries	25	26	1	3	4
Bookkeeping, Accounting, & Auditing Clerks	114	122	8	14	22
General Office Clerks	58	60	2	5	7
All Office Machine Operators	4	4	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	32	35	3	1	4
Traffic, Shipping, & Receiving Clerks	12	13	1	0	1
All Other Material Recording/Scheduling/Dist.	16	17	1	2	3
All Other Clerical & Administrative Support	18	19	1	1	2
SERVICE OCCUPATIONS	1,499	1,702	203	260	463
First Line Supers. & Mgrs./Supers. - Service	38	42	4	6	10
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	28	32	4	6	10
Bartenders	68	78	10	10	20
Waiters & Waitresses	438	500	62	96	158
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	50	56	6	2	8
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	39	45	6	9	15
Bakers, Bread & Pastry	22	25	3	3	6
Butchers & Meat Cutters	55	64	9	5	14
Cooks, Restaurant	139	159	20	21	41
Cooks, Specialty Fast Food	19	21	2	2	4
Cooks, Short Order	39	42	3	3	6
Food Preparation Workers	156	177	21	27	48
Combined Food Preparation & Service Workers	303	348	45	55	100
All Other Food Service Workers	13	15	2	2	4
All Health Service Workers	3	3	0	0	0
Maids & Housekeeping Cleaners	24	27	3	5	8
Janitors & Cleaners, Exc. Maids & Housekeeping	65	68	3	8	11
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	8	9	1	1	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

PINAL COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	742	793	51	46	97
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	49	50	1	5	6
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	4	4	0	0	0
All Inspectors, Testers, & Related	3	3	0	0	0
Automotive Mechanics	84	86	2	4	6
Automotive Body & Related Repairers	11	11	0	1	1
Farm Equipment Mechanics	50	57	7	3	10
Camera & Photographic Equipment Repairers	8	9	1	0	1
Installers/Repairers - Manufactured Buildings	10	11	1	0	1
Tire Repairers & Changers	28	28	0	2	2
All Other Mechanics, Installers, & Repairers	33	33	0	1	1
All Construction & Extraction Workers, Exc. Helpers	4	4	0	0	0
Machinists	8	8	0	0	0
All Other Precision Metal Workers	4	4	0	0	0
All Precision Textile & Apparel Workers	2	2	0	0	0
All Other Precision Workers	5	5	0	0	0
All Machine Operators & Tenders	7	7	0	0	0
All Hand Workers	2	2	0	0	0
Truck Drivers, Heavy or Tractor Trailer	32	35	3	1	4
Truck Drivers, Light - Incl. Delivery & Route	40	43	3	1	4
Driving Sales Workers	23	27	4	1	5
Service Station Attendants	96	100	4	10	14
Crane & Tower Operators	7	7	0	0	0
All Other Material Moving Equipment Operators	6	6	0	0	0
Mechanic & Repairer Helpers	11	11	0	0	0
Freight, Stock, & Material Movers, Hand	69	78	9	6	15
Hand Packers & Packagers	74	85	11	7	18
Vehicle Washers & Equipment Cleaners	24	25	1	2	3
All Other Helpers & Laborers	48	52	4	3	7
TOTAL OF ALL OCCUPATIONS	4,414	4,910	496	560	1,056

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Management Support Workers
Wholesale & Retail Buyers, Exc. Farm Products

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical & Administrative Support
Adjustment Clerks

All Other Material Recording/Scheduling/Dist.
Marking Clerks

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Maintenance Repairers, General Utility
Bus & Truck Mechs., & Diesel Eng. Specialists

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

SANTA CRUZ COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	178	193	15	11	26
Personnel, Training, & Labor Relations Mgrs.	7	7	0	0	0
Purchasing Managers	17	18	1	1	2
Food Service & Lodging Managers	10	11	1	1	2
General Managers & Top Executives	141	154	13	9	22
All Other Managers & Administrators	3	3	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	118	129	11	10	21
Accountants & Auditors	18	20	2	2	4
Wholesale & Retail Buyers, Exc. Farm Products	41	45	4	4	8
Purchasing Agents & Buyers, Farm Products	16	18	2	1	3
All Other Management Support Workers	3	3	0	0	0
Pharmacists	6	7	1	1	2
Merchandise Displayers & Window Trimmers	6	6	0	0	0
Musicians, Instrumental	19	21	2	2	4
All Other Professional, Paraprofessional, & Technical Workers	9	9	0	0	0
SALES & RELATED OCCUPATIONS	1,165	1,317	152	136	288
First Line Supervisors & Managers - Sales	136	150	14	14	28
Sales Representatives, Exc. Retail	21	23	2	3	5
Salespersons, Retail	472	538	66	53	119
Salespersons, Parts	13	13	0	0	0
Stock Clerks, Sales Floor	206	235	29	9	38
Cashiers	302	343	41	56	97
All Other Sales & Related Workers	15	15	0	1	1
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	756	834	78	95	173
First Line Supers.-Clerical & Admin. Support	60	66	6	6	12
Secretaries	48	53	5	8	13
Receptionists & Information Clerks	13	14	1	2	3
Typists	14	14	0	2	2
Order Clerks - Materials, Merch., & Service	35	38	3	6	9
Bookkeeping, Accounting, & Auditing Clerks	69	74	5	10	15
Payroll & Timekeeping Clerks	10	10	0	1	1
Billing, Cost, & Rate Clerks	19	20	1	4	5
General Office Clerks	110	121	11	19	30
Billing, Posting, & Calculating Machine Opers.	16	18	2	3	5
Computer Operators, Exc. Peripheral Equipment	5	5	0	0	0
All Communication Equipment Operators	3	3	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	108	120	12	10	22
Order Fillers, Wholesale & Retail Sales	125	142	17	7	24
Traffic, Shipping, & Receiving Clerks	54	60	6	5	11
All Other Material Recording/Scheduling/Dist.	47	54	7	10	17
All Other Clerical & Administrative Support	20	22	2	2	4
SERVICE OCCUPATIONS	559	634	75	88	163
First Line Supers. & Mgrs./Supers. - Service	28	31	3	4	7
All Protective Service Workers	33	38	5	1	6
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	9	10	1	2	3
Bartenders	25	28	3	3	6
Waiters & Waitresses	159	183	24	35	59
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	8	9	1	0	1
Bakers, Bread & Pastry	8	9	1	0	1
Butchers & Meat Cutters	12	13	1	1	2
Cooks, Restaurant	61	70	9	9	18
Food Preparation Workers	63	72	9	11	20
All Other Food Service Workers	71	81	10	13	23
Janitors & Cleaners, Exc. Maids & Housekeeping	77	85	8	9	17
All Other Cleaning/Building Service, Exc. Private House	3	3	0	0	0
All Other Service Workers	2	2	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

SANTA CRUZ COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	252	272	20	15	35
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	8	8	0	0	0
Maintenance Repairers, General Utility	14	14	0	0	0
Automotive Mechanics	19	19	0	1	1
All Electrical Mechs./Installers/Repairers	3	3	0	0	0
All Other Mechanics, Installers, & Repairers	8	8	0	0	0
All Construction Trades Workers	5	5	0	0	0
Custom Tailors & Sewers	7	7	0	0	0
All Machine Operators & Tenders	19	21	2	2	4
Truck Drivers, Light - Incl. Delivery & Route	48	53	5	2	7
All Other Motor Vehicle Operators	1	1	0	0	0
Service Station Attendants	22	23	1	2	3
All Other Transportation & Related Workers	1	1	0	0	0
Industrial Truck & Tractor Operators	42	47	5	3	8
Freight, Stock, & Material Movers, Hand	49	56	7	5	12
All Other Helpers & Laborers	6	6	0	0	0
TOTAL OF ALL OCCUPATIONS	3,028	3,379	351	355	706

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SALES & RELATED OCCUPATIONS

All Other Sales & Related Workers
 Demonstrators, Promoters, & Models

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
 Marking Clerks

All Other Clerical & Administrative Support
 Credit Authorizers
 Adjustment Clerks

SERVICE OCCUPATIONS

All Protective Service Workers
 Guards & Watch Guards

All Other Food Service Workers
 Combined Food Preparation & Service Workers

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Helpers & Laborers
 Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

YAVAPAI COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	400	434	34	31	65
Purchasing Managers	23	23	0	0	0
Marketing, Advertising, & Public Relations Mgrs.	10	10	0	0	0
Food Service & Lodging Managers	53	61	8	8	16
General Managers & Top Executives	292	317	25	22	47
All Other Managers & Administrators	22	23	1	1	2
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	75	81	6	8	14
Accountants & Auditors	25	27	2	2	4
All Other Financial Specialists	3	3	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	8	8	0	0	0
Cost Estimators	10	11	1	2	3
All Other Management Support Workers	4	4	0	0	0
Pharmacists	19	22	3	4	7
All Other Health Professionals, Paraprofessionals & Technicians	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	5	5	0	0	0
SALES & RELATED OCCUPATIONS	1,751	1,989	238	220	458
First Line Supervisors & Managers - Sales	148	166	18	14	32
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	7	7	0	0	0
All Other Sales Representatives, Exc. Retail	35	38	3	3	6
Salespersons, Retail	825	945	120	94	214
Salespersons, Parts	39	40	1	3	4
Counter & Rental Clerks	7	7	0	1	1
Stock Clerks, Sales Floor	178	205	27	8	35
Cashiers	506	575	69	97	166
All Other Sales & Related Workers	6	6	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	391	409	18	35	53
First Line Supers. -Clerical & Admin. Support	28	28	0	0	0
Secretaries	47	50	3	5	8
Order Clerks - Materials, Merch., & Service	12	12	0	2	2
Bookkeeping, Accounting, & Auditing Clerks	92	95	3	10	13
Billing, Cost & Rate Clerks	15	15	0	0	0
General Office Clerks	78	84	6	12	18
Data Entry Keyers, Exc. Composing	7	7	0	0	0
All Other Office Machine Operators	3	3	0	0	0
All Communication Equipment Operators	3	3	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	45	49	4	3	7
Order Fillers, Wholesale & Retail Sales	18	18	0	0	0
Traffic, Shipping, & Receiving Clerks	16	17	1	1	2
All Other Material Recording/Scheduling/Dist.	10	11	1	2	3
All Other Clerical & Administrative Support	17	17	0	0	0
SERVICE OCCUPATIONS	1,883	2,151	268	323	591
First Line Supers. & Mgrs./Supers. - Service	44	49	5	8	13
All Protective Service Workers	2	2	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	41	47	6	9	15
Bartenders	110	126	16	15	31
Waiters & Waitresses	475	547	72	106	178
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	87	99	12	4	16
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	162	186	24	37	61
Bakers, Bread & Pastry	50	57	7	7	14
Butchers & Meat Cutters	35	40	5	3	8
Cooks, Restaurant	233	267	34	35	69
Cooks, Institution or Cafeteria	5	5	0	0	0
Cooks, Specialty Fast Food	90	103	13	13	26

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

YAVAPAI COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Cooks, Short Order	31	35	4	3	7
Food Preparation Workers	216	248	32	38	70
Combined Food Preparation & Service Workers	208	238	30	36	66
Pharmacy Assistants	8	9	1	1	2
Janitors & Cleaners, Exc. Maids & Housekeeping	67	72	5	6	11
All Other Cleaning/Building Service, Exc. Private House	2	2	0	0	0
All Other Service Workers	17	19	2	2	4
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	13	14	1	1	2
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	381	409	28	22	50
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	24	24	0	1	1
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	28	31	3	4	7
Maintenance Repairers, General Utility	12	12	0	0	0
Automotive Mechanics	91	94	3	5	8
Automotive Body & Related Repairers	10	10	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	6	6	0	0	0
Small Engine Specialists	6	6	0	0	0
Electronic Home Entertainment Equip. Repairers	15	17	2	0	2
Watchmakers	6	7	1	0	1
Tire Repairers & Changers	33	34	1	3	4
All Other Mechanics, Installers, & Repairers	49	53	4	2	6
Glaziers	6	6	0	0	0
All Other Construction Trades Workers	8	8	0	0	0
All Precision Metal Workers	6	7	1	1	2
Cabinetmakers & Bench Carpenters	71	84	13	6	19
All Other Precision Woodworkers	4	4	0	0	0
All Precision Textile & Apparel Workers	2	2	0	0	0
All Other Precision Workers	4	4	0	0	0
All Machine Setters & Set-Up Operators	3	3	0	0	0
All Other Machine Operators & Tenders	33	37	4	3	7
Truck Drivers, Heavy or Tractor Trailer	19	20	1	0	1
Truck Drivers, Light - Incl. Delivery & Route	69	74	5	1	6
Driving Sales Workers	34	38	4	2	6
Service Station Attendants	76	80	4	6	10
Industrial Truck & Tractor Operators	14	14	0	0	0
Mechanic & Repairer Helpers	9	9	0	0	0
Freight, Stock, & Material Movers, Hand	56	64	8	4	12
Hand Packers & Packagers	73	85	12	8	20
Vehicle Washers & Equipment Cleaners	16	16	0	1	1
All Other Helpers & Laborers	48	54	6	4	10
TOTAL OF ALL OCCUPATIONS	5,344	5,981	637	669	1,306

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
 Office Machine & Cash Register Servicers
 Installers/Repairers - Manufactured Buildings

All Other Machine Operators & Tenders
 Sewing Machine Operators, Garment
 Sewing Machine Operators, Non-Garment

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

YUMA COUNTY

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	338	363	25	23	48
Purchasing Managers	35	38	3	2	5
Marketing, Advertising, Public Relations Mgrs.	6	6	0	0	0
Food Service & Lodging Managers	75	86	11	11	22
General Managers & Top Executives	196	207	11	10	21
All Other Managers & Administrators	26	26	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	104	110	6	7	13
Accountants & Auditors	26	27	1	1	2
All Other Financial Specialists	3	3	0	0	0
Wholesale & Retail Buyers, Exc. Farm Products	17	17	0	1	1
All Other Management Support Workers	17	17	0	0	0
Pharmacists	23	26	3	4	7
All Other Health Professionals, Paraprofessionals & Technicians	2	2	0	0	0
Merchandise Displayers & Window Trimmers	9	10	1	1	2
Designers, Exc. Interior Designers	6	7	1	0	1
All Other Professional, Paraprofessional, & Technical Workers	1	1	0	0	0
SALES & RELATED OCCUPATIONS	2,511	2,841	330	335	665
First Line Supervisors & Managers - Sales	296	328	32	30	62
Sales Representatives, Scientific & Related Products & Services, Exc. Retail	13	13	0	0	0
Other Sales Representatives, Exc. Retail	108	119	11	15	26
Salespersons, Retail	1,054	1,201	147	124	271
Salespersons, Parts	84	87	3	7	10
Stock Clerks, Sales Floor	195	220	25	9	34
Cashiers	733	842	109	147	256
All Other Sales & Related Workers	28	31	3	3	6
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	559	595	36	49	85
First Line Supers.-Clerical & Admin. Support	46	47	1	0	1
Adjustment Clerks	14	16	2	2	4
Secretaries	61	67	6	7	13
Order Clerks - Materials, Merch., Service	24	25	1	3	4
Bookkeeping, Accounting, & Auditing Clerks	122	130	8	15	23
Billing, Cost & Rate Clerks	12	12	0	1	1
General Office Clerks	86	91	5	9	14
Billing, Posting, & Calculating Machine Operators	15	16	1	2	3
All Other Office Machine Operators	20	21	1	2	3
Switchboard Operators	7	7	0	1	1
Stock Clerks - Stockroom, Warehouse, or Yard	94	102	8	4	12
Traffic, Shipping, & Receiving Clerks	26	27	1	1	2
All Other Material Recording/Scheduling/Dist.	20	22	2	2	4
All Other Clerical & Administrative Support	12	12	0	0	0
SERVICE OCCUPATIONS	1,983	2,267	284	342	626
First Line Supers. & Mgrs./Supers. - Service	64	72	8	12	20
Guards & Watch Guards	19	26	1	0	1
All Other Protective Service Workers	1	1	0	0	0
Hosts/Hostesses - Restaurant/Lounge/Coffee Shop	74	85	11	16	27
Bartenders	95	109	14	14	28
Waiters & Waitresses	546	629	83	121	204
Dining Room/Cafeteria Attdts., & Bartdr. Helpers	125	144	19	7	26
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	54	60	6	11	17
Bakers, Bread & Pastry	12	12	0	1	1
Butchers & Meat Cutters	47	54	7	5	12
Cooks, Restaurant	205	236	31	32	63
Cooks, Short Order	41	47	6	4	10
Food Preparation Workers	165	189	24	29	53

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRADE

YUMA COUNTY (CONTINUED)

	ESTIMATED JUNE 1985 EMPLOYMENT	ESTIMATED JUNE 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Combined Food Preparation & Service Workers	316	363	47	56	103
All Other Food Service Workers	79	89	10	10	20
Pharmacy Assistants	5	5	0	1	1
Janitors & Cleaners, Exc. Maids & Housekeeping	106	119	13	16	29
All Other Service Workers	29	33	4	7	11
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	6	6	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	960	1,032	72	51	123
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	55	59	4	5	9
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	22	24	2	3	5
Maintenance Repairers, General Utility	37	38	1	1	2
Automotive Mechanics	108	111	3	6	9
Automotive Body & Related Repairers	27	28	1	1	2
Farm Equipment Mechanics	20	22	2	1	3
All Other Mechs./Installers/Repairers	8	9	1	0	1
All Other Mechanics, Installers, & Repairers	78	81	3	1	4
All Construction Trades Workers	7	7	0	0	0
Machinists	17	17	0	1	1
Jewelers & Silversmiths	13	15	2	2	4
Cabinetmakers & Bench Carpenters	29	34	5	2	7
Furniture Finishers	5	5	0	0	0
Custom Tailors & Sewers	8	9	1	1	2
All Machine Operators & Tenders	9	9	0	0	0
Welders & Cutters	9	10	1	0	1
Truck Drivers, Heavy or Tractor Trailer	60	64	4	2	6
Truck Drivers, Light - Incl. Delivery & Route	118	128	10	3	13
Driving Sales Workers	46	52	6	2	8
Service Station Attendants	66	69	3	7	10
Industrial Truck & Tractor Operators	31	34	3	1	4
All Other Material Moving Equipment Operators	4	4	0	0	0
Mechanic & Repairer Helpers	6	6	0	0	0
Freight, Stock, & Material Movers, Hand	119	135	16	9	25
Hand Packers & Packagers	22	24	2	1	3
Vehicle Washers & Equipment Cleaners	15	15	0	1	1
All Other Helpers & Laborers	21	23	2	1	3
TOTAL OF ALL OCCUPATIONS	6,461	7,214	753	807	1,560

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
  Marking Clerks

SERVICE OCCUPATIONS

All Other Food Service Workers
  Cooks, Institution or Cafeteria
  Cooks, Specialty Fast Food

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
  Motorcycle Repairers
  Mobile Heavy Equipment Mechanics, Exc. Engines
  Heating, Air Conditioning, & Refrigeration Mechanics & Installers
  Installers/Repairers - Manufactured Buildings
  Tire Repairers & Changers

METHODOLOGY

Sample Selection and Response Rates

Occupational estimates for the trade industry were developed from a survey of employers throughout the state. Employers who were asked to participate in the survey were selected from a master employer file of firms doing business in Arizona, using standardized sampling techniques. A sample of establishments employing 4-99 employees and all establishments having 250 or more employees were surveyed. The entire sample was composed of 5,248 firms with a usable response rate of 78 percent. Firms responding represented 90 percent of the industry's employment.

Employment Projections

Projecting occupational employment and demand is accomplished in two basic stages. First, total trade employment is estimated for the target years. These forecasts are computed using an econometric model driven by forecast values for variables such as national employment, interest rates, and industrial production. Staffing pattern ratios, as determined by the OES survey, are then applied to the industry employment projections--representing the second stage of the forecasting methodology.

Job Openings

"Total Job Openings" represents the sum of openings resulting from expansion and replacement during the projection period. Expansion is the numerical difference in employment for a given period. Replacement represents job openings that transpire due to separations from the labor force, i.e., death, retirement, and pregnancy. The "Total Job Openings" column does not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

Limitations of the Data

The projection method does not account for cyclical, seasonal, and such external factors as sudden discontinuations or initiations of major government programs.

Employment forecasts for the nonmetropolitan counties are based on growth rates developed for the "balance of state" (Arizona less Maricopa and Pima counties) rather than for individual counties.

LABOR MARKET INFORMATION PUBLICATIONS
OCCUPATIONAL EMPLOYMENT STATISTICS, 733A
BOX 6123
PHOENIX, ARIZONA 85005

OFFICIAL BUSINESS
Penalty for Private Use
$300

POSTAGE AND FEES PAID
EMPLOYMENT SECURITY MAIL
LAB 441

FIRST CLASS MAIL

CONGRESSIONAL INFORMATION SVC
4520 EAST WEST HWY
BETHESDA, MD 20814

Reproduction of this publication for commercial use is prohibited by Section 39-121 Arizona Revised Statutes. Permission to reprint this publication, or parts of it, for nonprofit use may be granted upon written request, if credit will be given citing this publication and the Arizona Department of Economic Security.

This periodical is issued and printed by the Arizona Department of Economic Security as authorized by the Wagner-Peyser Act and is paid out of federal funds granted by the U.S. Department of Labor.

If you do NOT desire to continue receiving this publication, please check here ☐ and return this cover to address above.

If your address has changed, please indicate change and return this cover to the address above.

Arizona Department of Economic Security
— Moving People Toward Self-Sufficiency

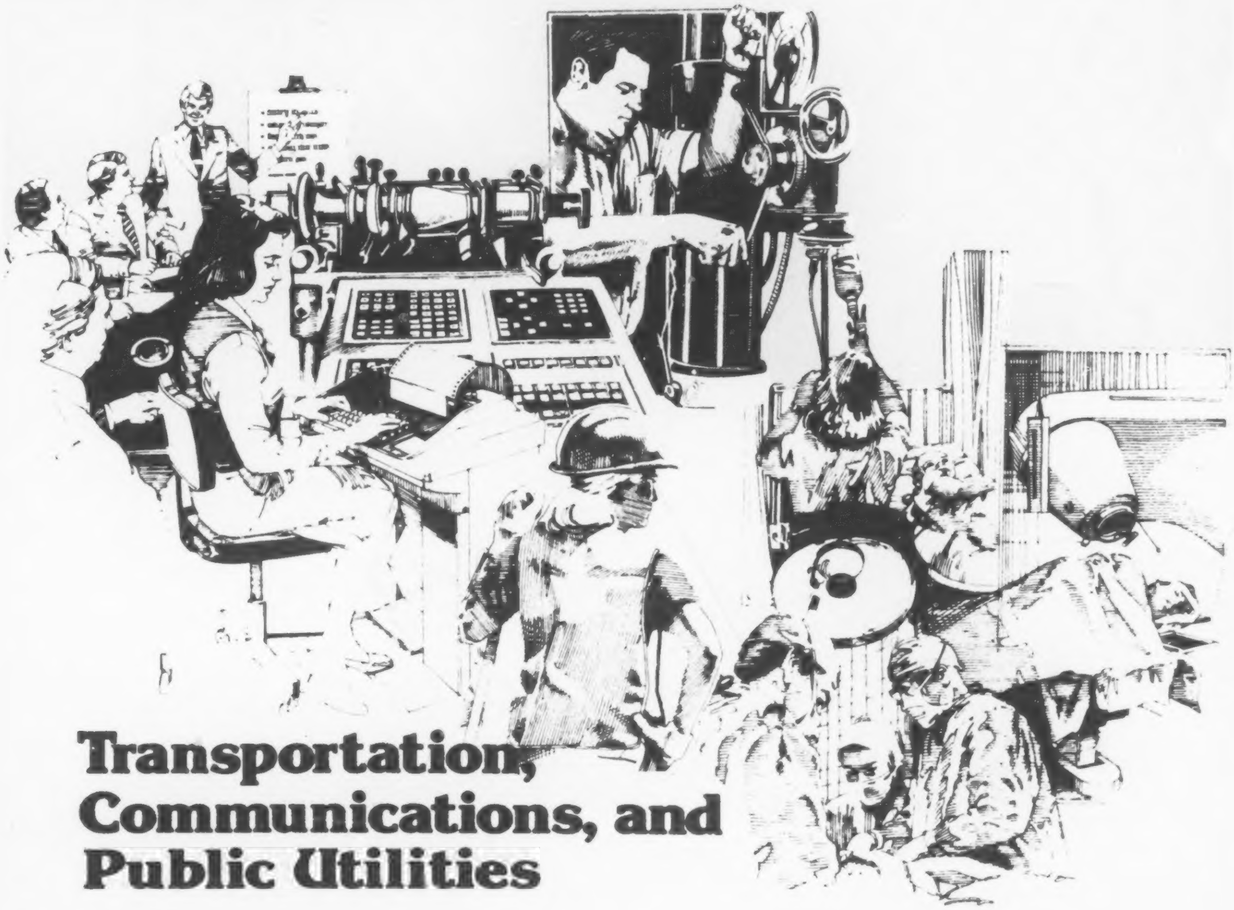
PAL-440 (11-87)

50465 - 2.25 - u

DECEMBER 1987

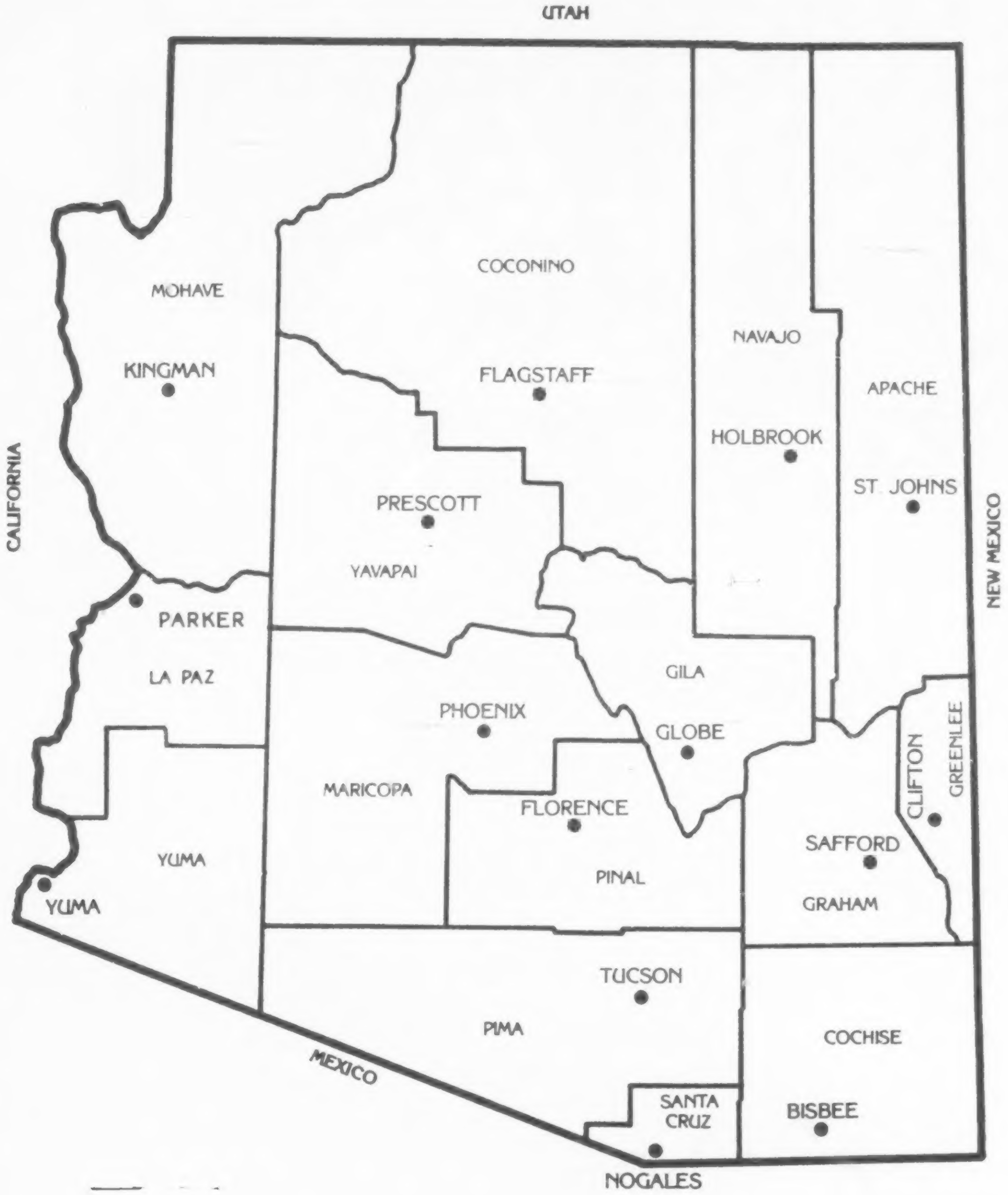
Arizona Occupational Profile

A Labor Market Information Publication
of the Department of Economic Security



Transportation, Communications, and Public Utilities

Map of Arizona


UTAH
CALIFORNIA
NEW MEXICO
MEXICO
MOHAVE
KINGMAN
COCONINO
FLAGSTAFF
NAVAJO
HOLBROOK
APACHE
ST. JOHNS
PRESCOTT
YAVAPAI
PARKER
LA PAZ
GILA
GLOBE
PHOENIX
MARICOPA
FLORENCE
PINAL
GREENLEE
CLIFTON
SAFFORD
GRAHAM
YUMA
YUMA
TUCSON
PIMA
COCHISE
SANTA CRUZ
BISBEE
NOGALES

OCCUPATIONAL PROFILE

The value of current occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Occupational Employment Statistics (OES) Program--a cooperative effort between Arizona and the U.S. Bureau of Labor Statistics.

This *Occupational Profile* is one in a series of publications produced from information developed by the Occupational Employment Statistics survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey is used to collect employment data, by county, for over 700 occupations in Arizona. From these surveys, which required the cooperation of the Arizona business community, current employment in the various occupations is determined, and from this an occupational outlook is formulated. The *Occupational Profiles* contain the survey findings and examine, individually, the following industries of Arizona:

Construction
Educational Services
Finance, Insurance, and Real Estate
Government
Hospitals
Lodging
Manufacturing
Mining
Services
Trade
Transportation, Communications, and Public Utilities

For further information, requests, or to comment on any aspect of this program, please write to Arizona Department of Economic Security, Research Administration.

Labor Market Information Publications
Occupational Employment Statistics, 733A
P.O. Box 6123
Phoenix, Arizona 85005-6123

INDUSTRY INFORMATION

INDUSTRY DEFINITION

The industry division designated as transportation, communications, and public utilities includes establishments providing passenger and freight transportation, communication services, and electricity, gas, steam, water, or sanitary services.

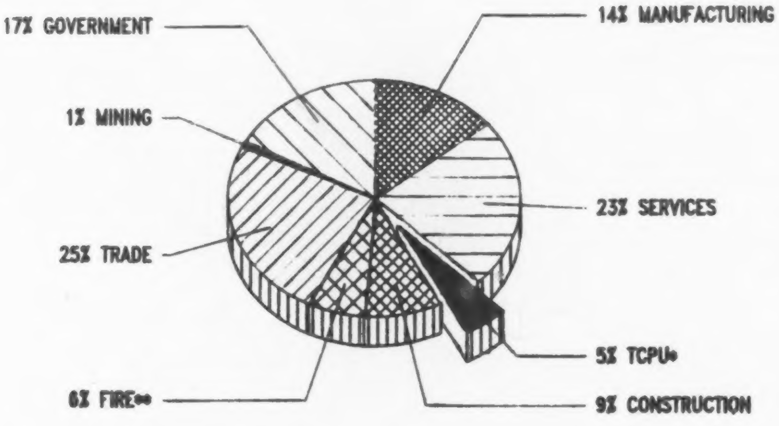
A detailed description of these industries is found in the *Standard Industrial Classification (SIC) Manual* under codes 40 through 49. Employment data for the U.S. Postal Service (SIC code 43) is not included in this publication. In addition, the occupational data includes certain services rendered by state and local government, e.g., irrigation.

Often referred to as the regulated industries, transportation, communications, and public utilities are grouped together because they provide a public service and are often owned or regulated by public agencies. The regulations vary from industry to industry, but, in general, their goals are to ensure fair prices and to see that the public interest is served.

INDUSTRY CHARACTERISTICS

Employing approximately 66,000 in 1986, the transportation, communications, and public utilities (TCPU) industry accounts for about 5 percent of Arizona's 1.3 million workers earning a wage or salary. Employment in transportation services totals more than 30,000, while those working in the public utilities and communication industries combine for the balance.

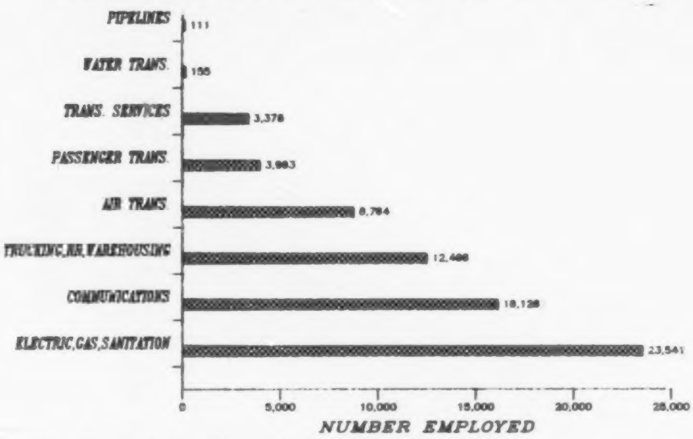
ARIZONA NONAGRICULTURAL EMPLOYMENT
1986



* TCPU = TRANSPORTATION, COMMUNICATIONS, AND PUBLIC UTILITIES
**FIRE = FINANCE, INSURANCE, AND REAL ESTATE

Predominant in the transportation industry is trucking, which accounts for 39 percent of the sector's employment. At the other extreme is pipeline transportation of coal slurry or petroleum, and water transportation firms, many of which provide sightseeing and river running trips and excursions on the Colorado River.

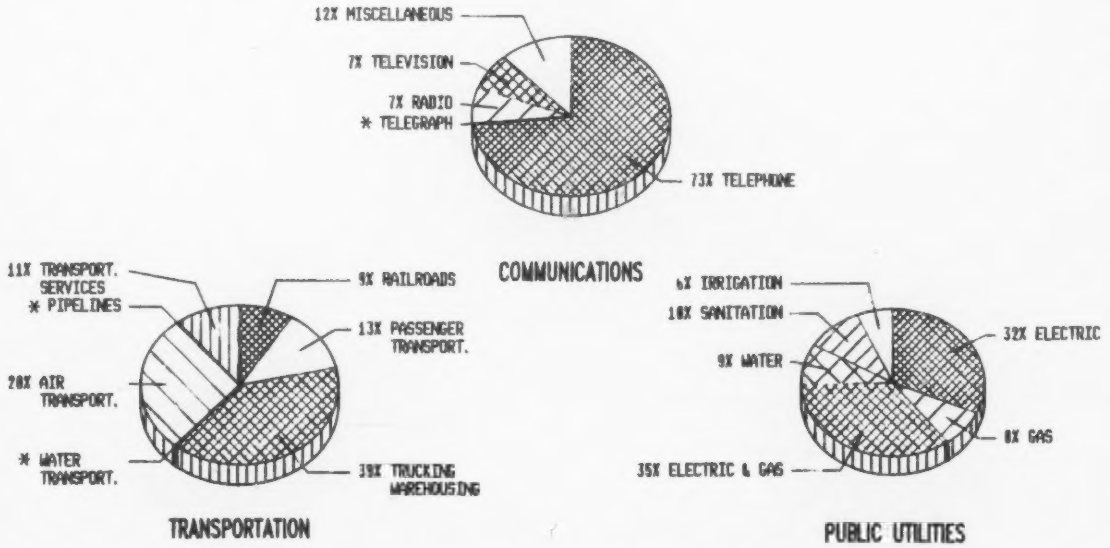
ARIZONA EMPLOYMENT IN TCPU - 1986



TCPU = Transportation, Communications, and Public Utilities

The public utilities sector includes providers of water, electricity, gas, and sanitary services. In this category, three of every four workers are involved in the production and distribution of energy. And lastly, in the communication services sector, telephone workers likewise claim 73 percent of the total.

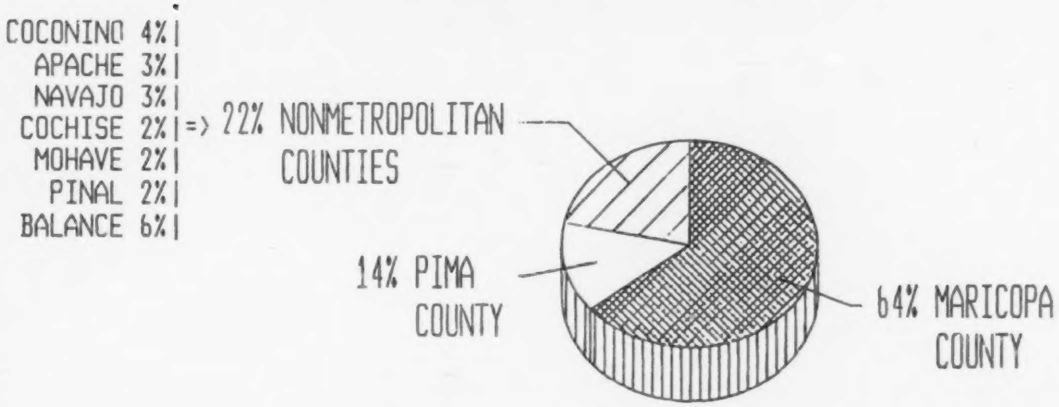
EMPLOYMENT DISTRIBUTION WITHIN TCPU
1986



* Water Transportation, Pipelines, and Telegraph represent .5%, .4%, and .3%

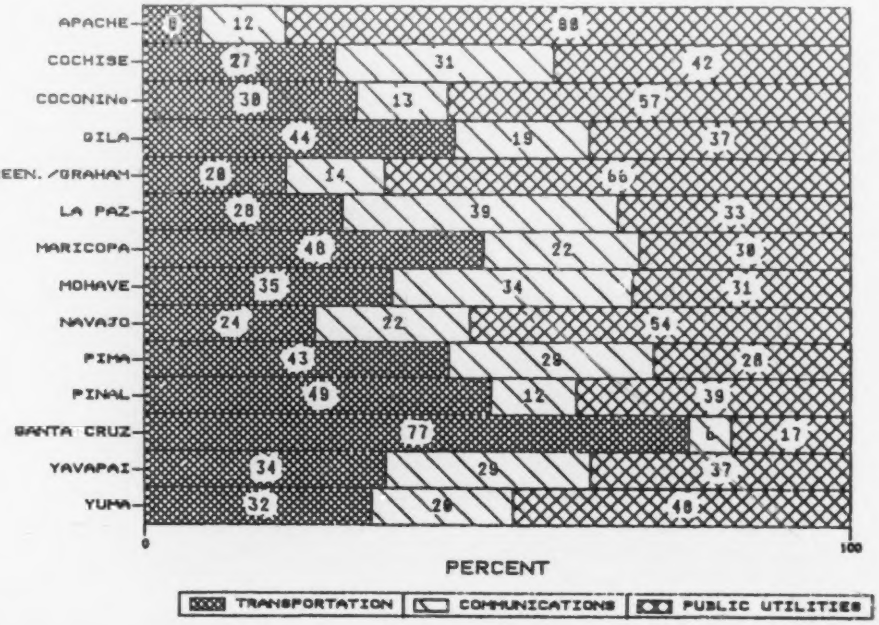
Geographically, two-thirds of Arizona's TCPU employment is located in Maricopa County where communications and transportation services are concentrated. About 65 percent of the state's communications employees and 75 percent of the employment in the airline and trucking industries are located in the Phoenix metropolitan area. In addition to requiring the services of these industries to satisfy the needs of its population, the state's major population center is also the administrative center for many firms in the industry.

GEOGRAPHIC DISTRIBUTION OF TCPU EMPLOYMENT



TCPU employment in several of the nonmetropolitan counties is dominated by public utilities as indicated by the following graph. Power generating plants in Apache, Coconino, and Navajo counties contribute a great deal to TCPU employment. Dominant in Santa Cruz County is the transportation sector with a high number of truck drivers who service the trade center of Nogales on the U.S.-Mexico border.

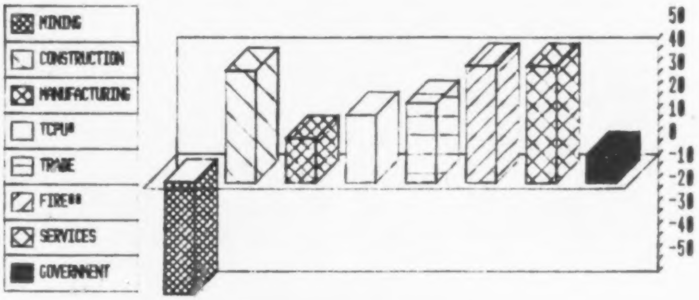
DISTRIBUTION OF TCPU IN ARIZONA'S COUNTIES



INDUSTRY TRENDS

Characterized by consistent and predictable growth as it responds to the needs of a growing population and expanding economy, employment in TCPU increased by more than 70 percent during the decade of the 1970s. Although falling short of the average growth rate for all industries, TCPU boasts a year-to-year consistency unmatched by any other major industry division. Even during the most recent recession, TCPU managed a 10 percent employment increase for the period 1980-1982, while the change for all Arizona industries averaged a mere 1.5 percent.

EMPLOYMENT PERCENTAGE CHANGE IN ARIZONA'S INDUSTRIES
1980-1986

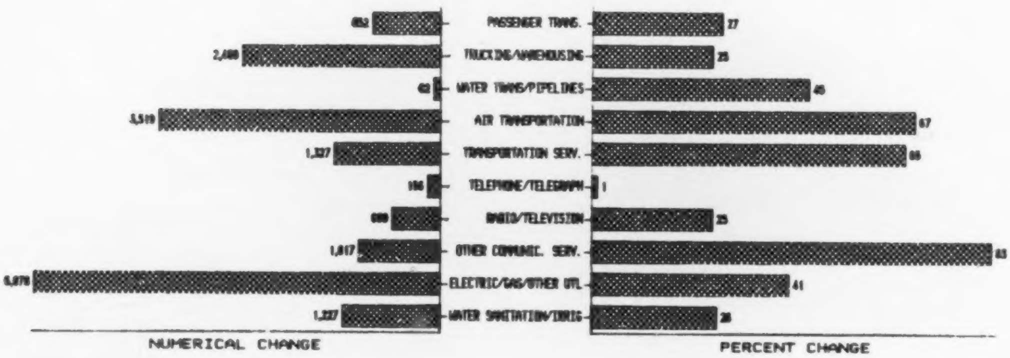


*TCPU-TRANSPORTATION, COMMUNICATIONS, AND PUBLIC UTILITIES
**FIRE-FINANCE, INSURANCE, AND REAL ESTATE

Continuing a trend established in the 1970s, employment in public utilities expanded 37 percent between 1980 and 1986. The producers and distributors of gas registered the highest growth rate, although firms which provide both electric and gas services accounted for the largest employment increase.

Also continuing a trend of strong growth is employment in transportation services, for the most part, as a result of deregulation in 1978. Employment growth in Arizona's air transportation industry increased a robust 67 percent between 1980 and 1986 as carriers expanded services to

EMPLOYMENT CHANGE IN TCPU
1980 -1986



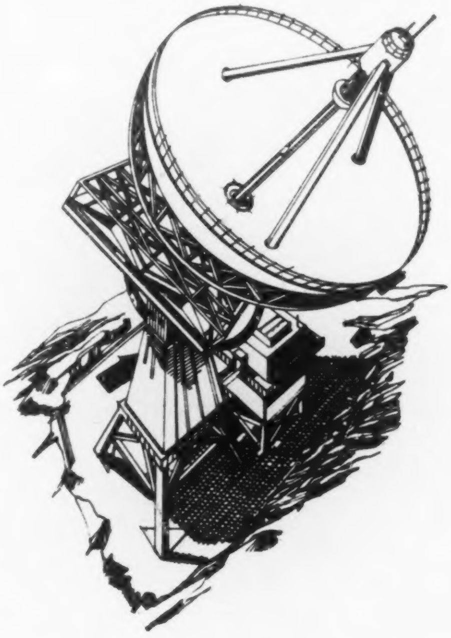
the lucrative sunbelt routes. Also registering strong growth were transportation services, led by employment in travel agencies and other businesses providing travel information.

As a group, communication services employment shows modest expansion, especially when compared to growth rates established in the early 1970s. Yet, divisions within communication services experience a wide range of growth rates. For example, employment in firms providing telephone services has remained virtually unchanged since 1980, while providers of miscellaneous communications services, such as cable television services, have seen their numbers nearly double in the six years since 1980.

Through the end of the decade, the transportation industry, which is dominated by employment in motor freight services, will respond to the requirements of the state's expanding economy and the heightened profile of Phoenix and Tucson as regional trade and manufacturing centers. Determined to a large degree by the health of the national economy, however, employment in trucking and in air traffic will react to the cyclical swings of the economy. Over the longer term, however, employment in these sectors will weather cyclical economic cycles. Expected growth in airline passenger and cargo traffic will also counter the potential impact of advanced communications systems that may limit growth in business travel by corporate executives.

In public utilities, employment growth relates primarily to increasing consumption of electricity, gas, and water. Reflecting the industry's capital-intensive nature, however, output and productivity increases are not matched by employment increases of the same magnitude. For example, due to the use of automatic controls and larger more efficient equipment, employment does not increase as fast as the production of electric power.

In communication services, certain sectors will continue to register strong employment growth. Because of technological achievements, however, employment expansion will likely not be as great as might be suggested by the ever-increasing variety of available communication services and the number of subscribers to these services. More assured, though, is the dynamic era that the communication industry has already entered. The structure of the telephone industry, for example, is continuing to change as a result of competition, regulatory reform, and the application of new technology.

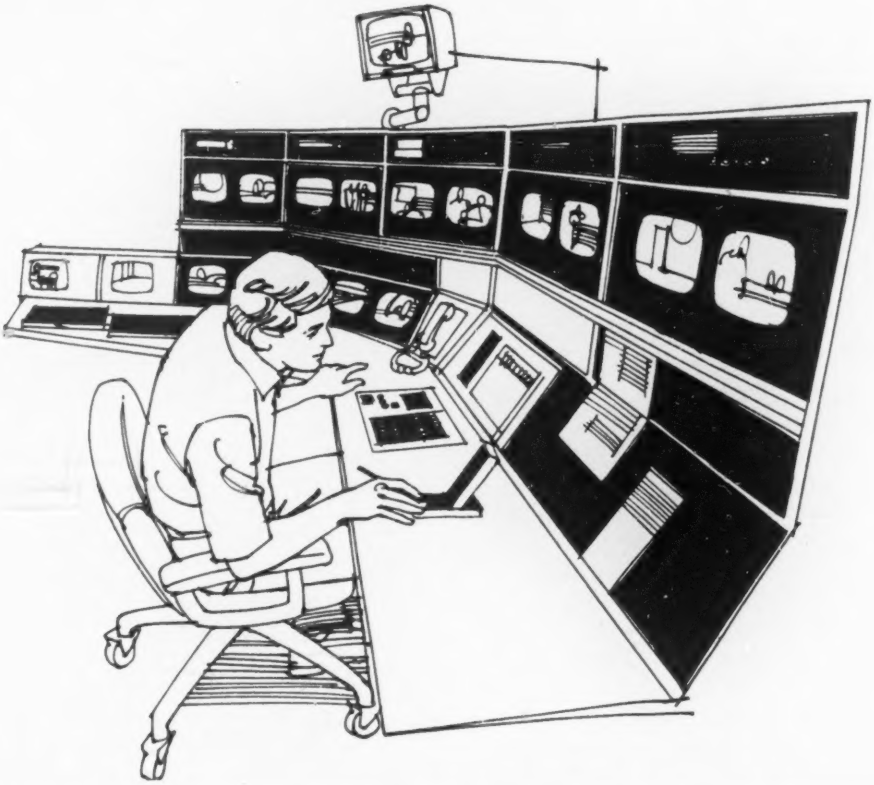


For the balance of the decade, data communications will grow faster than the traditional voice services.

Digital electronic switching, satellite communications, local data networks, and fiber-optic transmission are paving the way for a variety of new data communication services, such as electronic mail, on-line information systems, and many high-speed business communication services. As business offices become more automated, data transmissions will grow accordingly.

A similar restructuring is also taking place in television and radio broadcasting. Challenging the dominance of network programming is subscription TV and other services brought about by significant technical advances made during recent years. With the advent of communications satellites, cable television has realized significant increases in viewership. In the wings are other program distribution systems vying for acceptance in this rapidly changing arena. One of these is the multiple distribution service (MDS) which relays TV signals from a central station to receivers installed in hotels, office buildings, and individual residences. And then there is the direct broadcast satellite service (DBS) which, as currently conceived, would relay signals directly to receivers of individual subscribers in the home or workplace.

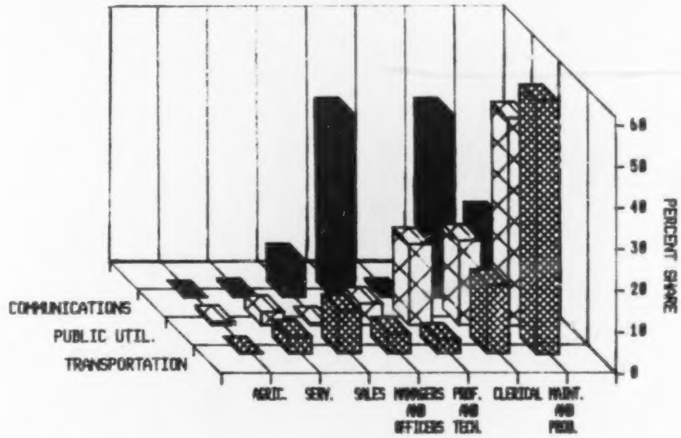
Yet to be exploited are the nonentertainment uses of cable systems, such as for two-way communications, data bank access, and alarm systems. Currently, in response to the public's demand for entertainment and sports programming, the industry is focusing on responding to the market's demand for these ancillary services.



OCCUPATIONAL INFORMATION

Maintenance and production workers dominate employment in transportation, communications, and public utilities. This dominance reflects the numerous truck drivers in the transportation industry and mechanics, installers, and repairers, also prominent in the public utilities sector. The largest single occupation in TCPU is, in fact, tractor trailer truck drivers with employment of 4,500. Other prevalent occupations in this group are bus drivers, delivery and route workers, mechanics, and electrical powerline installers and repairers.

MAJOR OCCUPATIONAL CATEGORIES IN TCPU
1986



Clerical workers represent the second largest occupational group with employment of 15,000 in 1985. Especially concentrated in firms providing communication services, clerical workers are common to all industries, and, for this reason, employment of general office clerks trails only truck drivers, managers, and travel agents. Also numerically prominent in the communication industry are customer service representatives and central office operators (switchboard operators)--further contributing to the size of the clerical category.

Trailing clerical workers is employment of professionals with 12 percent of the industry's total. Most numerous in this category are electrical and electronic engineers, radio and television announcers, and emergency medical technicians.

The occupational distribution of Arizona's TCPU employment, as shown above is consistent with the state's two major metropolitan counties. However, with fewer regional offices and administrative complexes, the "balance of state" or nonmetropolitan counties employ a significant number of maintenance and production workers and fewer clerical personnel.

Employment in each of the seven major occupational classes will continue to expand--although at different rates. Professional and technical occupations will increase their share of total industry employment, while clerical and production workers will likely lose. Although its share is decreasing, production and maintenance occupations will continue to provide nearly half of the industry's employment. As in other industries, however, employment increases created by a growing demand for services are being tempered by development of more efficient equipment and procedures. These dynamics are particularly evident in maintenance and production occupations, where technological innovation is bringing greater productivity.

OCCUPATIONS WITH THE GREATEST EMPLOYMENT IN TRANSPORTATION, COMMUNICATIONS, AND PUBLIC UTILITIES

	Employment May 1985	Job Openings* 1985-1989
Truck Drivers, Heavy or Tractor Trailer	4,463	1,068
Truck Drivers, Light-Inc. Delivery and Route	2,119	503
Transportation, Communications, and Utilities Operations Mgrs.	1,767	228
Travel Agents	1,680	532
General Office Clerks	1,282	345
Customer Service Representatives, Utilities	1,233	326
Electrical Powerline Installers and Repairers	1,189	184
Bookkeeping, Accounting, and Auditing Clerks	1,117	291
Bus Drivers	1,059	311
First Line Mgrs./Supvs. - Mechanics/ Installers/Repairers	1,042	188
Central Office/PBX Installers/Repairers	980	137
Secretaries	974	257
Sales Agents, Selected Business Services	936	224
Reservation and Transportation Ticket Agents	926	284
Telephone/Cable TV Line Installers/Repairers	839	101
General Managers and Top Executives	809	141
Stock Clerks - Stockroom, Warehouse, or Yard	787	144
First Line Supvs. and Mgr./Supvs. - Clerical	784	148
Transportation Agents, Material Distribution	781	251
Dispatchers - Ex. Police, Fire, and Ambulance	764	137
Mechanic and Repairer Helpers	732	117
Bus and Truck Mechanics and Diesel Engine Specialists	690	145
Electrical and Electronic Engineers	687	69
Announcers, Radio and Television	662	101
Central Office Operators	636	217
Adjustment Clerks	636	172
Railroad Brake, Signal, and Switch Operators	615	185
Machinery Maintenance Mechanics, Water and Power Generation Plants	602	105
Emergency Medical Technicians	551	207
Aircraft Mechanics	497	95
Maintenance Repairers, General Utility	497	71

* Does not include turnover.

The industry's largest occupational group, production and maintenance workers, will total nearly 32,000 in 1989--up from 28,000 in 1985. Job opportunities resulting from this growth and the separation of workers from the labor force will total nearly 6,000 during this period. Demand for truck drivers, alone, will create 1,600 of these openings--by far the strongest demand for any occupation in the industry. Heavy or tractor-trailer drivers outnumber light-duty drivers two-to-one and will also account for about twice as many job openings. It is expected, however, that drivers who haul locally will see their numbers increase more rapidly than long-distance haulers as trucks carry virtually all local freight.

The second largest production and maintenance occupation, electrical powerline installers and repairers, will account for 1,300 workers in 1989. Despite the demand for telephone services and electricity, employment levels will not likely mirror growth in demand for electricity because of technological advances. Demand for line workers, for example, will be suppressed by the use of microwave, fiber optics, and other technologies that require less maintenance. Employment of telephone line installers and repairers, likewise, is affected by the increasing construction of pre-wired buildings, and the modular assembly of telephones.

Clerical occupations account for one of every four employees in TCPU. These occupations are especially prevalent in the communications industry, where, led by customer service representatives and central office operators, they account for nearly half of all employment. Central office operators, however, will see their share of the industry's total employment continue to shrink rapidly. Nationally, employment of central office operators continues to decline--a trend which began more than 25 years ago. In Arizona, increased service demand will somewhat offset reduced labor requirements brought about by such technological innovations as computer-assembled speech.

Openings for clerical occupations will, nonetheless, be a source of a substantial number of job opportunities. Turnover is relatively high in these occupations and many openings will result as employees leave one position to take another.

Representing the largest professional occupation and underlying the increasing share of professional and technical workers in Arizona's TCPU industry is the number of workers with engineering skills. Contributing to this evolution is the introduction of nuclear power generation in Arizona. According to the Bureau of Labor Statistics, nearly half of the nation's nuclear industry work force are engineers, scientists, and technicians.

Other activities in electric power generation that require engineering skills include research and development; system planning; design, construction, and installation; system operation and maintenance; and test engineering.

In the communications industry, engineers plan cable and microwave routes, central office and PBX equipment installations, and communication systems for new buildings, as well as engage in the development of new equipment.

OCCUPATIONAL STRUCTURE

The following tables provide employment estimates and projected employment and job openings for the counties and the state. Graham and Greenlee counties have been combined to avoid disclosure of information about a single firm and because of their close proximity, similar economies, and size.

When using the data, please note the following:

1. Industry employment growth in each of the nonmetropolitan counties reflects the rate calculated for the "balance of state" (Arizona less Maricopa and Pima counties).

2. The data reflect full- and part-time wage and salary employment only, and do not include self-employed or unpaid family workers.

3. Total job openings represent the number of openings due to growth of the industry and separation from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

4. To eliminate the possible disclosure of confidential employer information, occupations have been added to the appropriate "All Other" or residual category if less than three firms reported a single occupation; one firm reported more than 50 percent of the occupational estimate, or two firms combined reported more than 75 percent of the occupational estimate. In certain cases, releases have been obtained from large employers to waive the confidentiality criteria.

5. The projection technique does not possess the degree of accuracy that may be implied by unrounded numbers.

6. Data for occupations with employment of less than five are included in the appropriate "All Other" categories. These occupations are not listed, however, in the summary of "All Other" categories which follows each table.

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

ARIZONA

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	3,693	6.2	3,964	491
Financial Managers	224	.4	232	21
Personnel, Training, & Labor Relations Mgrs.	86	.1	88	6
Purchasing Managers	44	.1	44	1
Marketing, Advertising, & Public Rel. Mgrs.	233	.4	243	28
Administrative Services Managers	138	.2	141	13
Engineering, Mathematical, & Natural Sciences Mgrs.	160	.3	167	21
Transportation, Communications, & Utilities Operations Managers	1,767	2.9	1,920	228
General Managers & Top Executives	809	1.3	883	141
All Other Managers & Administrators	232	.4	246	32
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	6,944	11.6	7,385	965
Management Support Occupations	1,102	1.8	1,158	158
Accountants & Auditors	292	.5	307	43
Budget Analysts	68	.1	70	9
All Other Financial Specialists	68	.1	70	6
Purchasing Agents, Exc. Wholesale, Retail, & Farm	117	.2	121	13
Personnel, Training, & Labor Rel. Specialists	158	.3	164	15
All Other Management Support Workers	399	.7	426	72
Engineers & Related Occupations	2,424	4.0	2,560	249
Engineers	10	.0	11	1
Chemical Engineers	35	.1	35	1
Nuclear Engineers	27	.0	28	2
Civil Engineers, Incl. Traffic	121	.2	128	18
Electrical & Electronic Engineers	687	1.1	726	69
Industrial Engineers, Exc. Safety	67	.1	69	6
Safety Engineers, Exc. Mining	27	.0	27	0
Mechanical Engineers	172	.3	182	18
All Other Engineers	60	.1	64	6
Surveying & Mapping Scientists	26	.0	26	0
Engineering & Related Technicians & Technologists	5	.0	5	0
Civil Engineering Technicians & Technologists	66	.1	68	7
Electrical/Electronic Engineering Technicians	424	.7	452	44
Mechanical Engineering Techs.	91	.2	97	7
Drafters	191	.3	203	22
Estimators & Drafters, Utilities	153	.3	160	16
Surveying & Mapping Techs.	87	.1	91	7
All Other Engineering & Related Technicians	175	.3	188	25
Natural Scientists & Related Workers	141	.2	147	11
Geologists, Geophysicists, & Oceanographers	41	.1	42	2
All Other Physical Scientists	38	.1	42	5
Life Scientists	44	.1	45	4
Physical & Life Science Technicians & Technologists	18	.0	18	0
Computer, Math, Research, & Related Occupations	560	.9	585	51
Systems Analysts, Electronic Data Processing	221	.4	231	15
Computer Programmers	139	.2	145	10
Computer Programmer Aides	139	.2	146	17
Mathematical Scientists	54	.1	56	9
All Other Mathematical Scientists	7	.0	7	0
Social Scientists & Religious Occupations	30	.1	31	2
Social Scientists, Incl. Urban & Regional Planners	30	.1	31	2
Law & Related Occupations	23	.0	23	1
Lawyers	23	.0	23	1
Teachers, Educators, Librarians, & Related Occupations	85	.1	92	16
Teachers & Instructors, Voc. Ed. & Training	45	.1	51	13
Farm & Home Management Advisors	40	.1	41	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

ARIZONA (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Health Practitioners, Technicians, & Related	586	1.0	673	214
Emergency Medical Technicians	551	.9	637	207
All Other Health Professionals, Paraprofessionals, & Technicians	35	.1	36	7
Writers, Artists, Athletes, & Related	1,633	2.7	1,734	222
Writers & Editors	53	.1	53	6
Public Rel. Specialists & Publicity Writers	103	.2	105	12
Reporters & Correspondents	148	.2	156	33
Broadcast News Analysts	100	.2	105	9
Announcers, Radio & Television	662	1.1	723	101
Photographers	71	.1	74	9
Camera Operators, Television & Motion Picture	65	.1	67	5
Broadcast Technicians	293	.5	309	29
Film Editors	37	.1	38	7
Artists & Related Workers	22	.0	22	1
Producers, Directors, Actors, & Entertainers	79	.1	82	10
Other Professional, Paraprofessional, & Technical	360	.6	382	41
Radio Operators	7	.0	7	0
All Other Professional, Paraprofessional, & Technical Workers	353	.6	375	41
SALES & RELATED OCCUPATIONS	4,282	7.1	4,816	1,120
First Line Supervisors & Manager/Supervisors	336	.6	366	64
Sales Occupations, Services	3,048	5.1	3,458	834
Sales Agents, Selected Business Services	936	1.6	1,027	224
Travel Agents	1,680	2.8	1,972	532
Sales Agents, Advertising	432	.7	459	78
Sales Occupations, Merchandise & Related	898	1.5	992	222
Cashiers	187	.3	199	38
All Other Sales & Related Workers	711	1.2	793	184
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	14,920	24.9	16,302	3,614
First Line Supervisors & Manager/Supervisors	784	1.3	851	148
Industry Specific Clerical & Administrative Support	1,684	2.8	1,897	471
Credit Authorizers	12	.0	12	2
Credit Managers	11	.0	11	1
Adjustment Clerks	636	1.1	682	172
Bill & Account Collectors	88	.1	91	10
Travel Clerks	11	.0	11	2
Reservation & Transportation Ticket Agents	926	1.5	1,090	284
Selected Secretarial & General Office Occupations	6,370	10.6	6,891	1,670
Secretaries	974	1.6	1,049	257
Stenographers	66	.1	68	14
Receptionists & Information Clerks	310	.5	352	95
Typists	271	.5	288	79
Typists, Word Processing Equipment	85	.1	88	11
Personnel Clerks, Exc. Payroll & Timekeeping	106	.2	110	25
Correspondence Clerks	18	.0	18	2
File Clerks	33	.1	34	5
Order Clerks - Materials, Merch., & Service	206	.3	226	59
Statistical Clerks	237	.4	250	62
Customer Service Representatives, Utilities	1,233	2.1	1,314	326

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

ARIZONA (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Bookkeeping, Accounting, & Auditing Clerks	1,117	1.9	1,231	291
Payroll & Timekeeping Clerks	99	.2	103	13
Billing, Cost & Rate Clerks	333	.6	366	86
General Office Clerks	1,282	2.1	1,394	345
Electronic Data Processing & Other Office Machine Occupations	677	1.1	714	96
Billing, Posting, & Calculating Machine Opers.	80	.1	82	6
Computer Operators, Exc. Peripheral Equipment	125	.2	131	12
Peripheral EDP Equipment Operators	151	.3	160	41
Data Entry Keyers, Exc. Composing	301	.5	321	34
All Other Office Machine Operators	20	.0	20	3
Communications, Mail, & Message Distribution	1,284	2.1	1,382	406
Switchboard Operators	244	.4	267	76
Directory Assistance Operators	337	.6	355	103
Central Office Operators	636	1.1	689	217
All Other Communication Equipment Operators	36	.1	39	8
Mail Clerks, Exc. Mail Machine Operators & Postal Service	14	.0	14	1
Messengers	17	.0	18	1
Material Distribution & Recording Occupations	3,904	6.5	4,332	802
Dispatchers - Police, Fire, & Ambulance	61	.1	70	14
Dispatchers - Exc. Police, Fire, & Ambulance	764	1.3	853	137
Production, Planning, & Expediting Clerks	232	.4	247	58
Transportation Agents	781	1.3	929	251
Meter Readers, Utilities	396	.7	417	39
Stock Clerks - Stockroom, Warehouse, or Yard	787	1.3	861	144
Traffic, Shipping, & Receiving Clerks	352	.6	391	67
All Other Material Recording/Scheduling/Dist.	531	.9	564	92
All Other Clerical & Administrative Support	217	.4	235	21
SERVICE OCCUPATIONS	1,731	2.9	1,928	449
First Line Supers. & Mgrs./Supers. - Service	63	.1	67	11
Protective Service Occupations	283	.5	298	25
Detectives & Investigators, Exc. Public	12	.0	12	0
Railroad & Transit Police & Special Agents	33	.1	37	4
Guards & Watch Guards	238	.4	249	21
Food & Beverage Service Occupations	35	.1	37	7
Health Service & Related Occupations	82	.1	93	20
Ambulance Drivers & Attendants - Exc. Emergency Medical Technicians	82	.1	93	20
Cleaning & Building Service Occupations, Exc. Private Households	484	.8	519	102
Selected Personal Service Occupations	728	1.2	857	277
Guides	144	.2	166	50
Baggage Porters & Bellhops	219	.4	259	54
Flight Attendants	360	.6	427	172
Transportation Attendants, Exc. Flight & Baggage	5	.0	5	1
All Other Service Occupations	56	.2	57	7
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	143	.2	150	22

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

ARIZONA (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	28,242	47.1	31,731	5,780
First Line Supervisors & Manager/Supervisors-Maintenance/Production/Construction	1,971	3.3	2,152	421
First Line Managers/Supervisors - Mechanics/Installers/Repairers	1,042	1.7	1,114	188
First Line Managers/Supervisors - Construction Trades & Extraction Workers	280	.5	307	48
First Line Mgrs./Supers. - Transport. Operatives	378	.6	433	118
First Line Mgrs./Supers. - Laborers & Helpers	110	.2	128	38
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	161	.3	170	29
Inspectors & Related Occupations	179	.3	194	28
Precision Inspectors, Testers, & Graders	58	.1	60	5
Transportation Inspectors	34	.1	37	4
All Other Inspectors, Testers, & Related	87	.1	97	19
Mechanics, Installers, & Repairers	8,614	14.4	9,366	1,264
Machinery Maintenance Mechanics, Water & Power Generation Plants	602	1.0	663	105
All Other Machinery Maintenance Mechanics	223	.4	235	24
Machinery Maintenance Workers	141	.2	152	26
Maintenance Repairers, General Utility	497	.8	538	71
Automotive Mechanics	347	.6	378	46
Bus & Truck Mechs., & Diesel Eng. Specialists	690	1.2	787	145
Mobile Heavy Equip. Mechanics, Exc. Engines	35	.1	38	3
Rail Car Repairers	55	.1	64	17
Aircraft Mechanics	497	.8	569	95
Aircraft Engine Specialists	106	.2	120	16
Central Office & PBX Installers & Repairers	980	1.6	1,044	137
Frame Wirers, Central Office	144	.2	150	12
Telegraph & Teletype Installers & Maintainers	12	.0	12	0
Signal or Track Switch Maintainers	119	.2	141	33
Radio Mechanics	203	.3	213	20
All Other Communication Equipment Mechanics/Installers/Repairers	46	.1	47	1
Telephone & Cable TV Line Installers/Repairers	839	1.4	901	101
Electric Motor, Transformer, & Rel. Repairers	25	.0	26	1
Electronics Repairers, Commercial & Ind. Equip.	254	.4	270	26
Powerhouse, Substation, & Relay Electricians	207	.3	223	24
Electrical Powerline Installers & Repairers	1,189	2.0	1,286	184
Station Installers & Repairers, Telephone	421	.7	452	49
Electrical Installers & Repairers, Transportation Equipment	117	.2	137	27
All Other Electrical Mechs./Installers/Repairers	236	.4	248	26
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	29	.0	30	2
Precision Instrument Repairers	102	.2	109	14
Electric Meter Installers & Repairers	150	.3	157	12
Mechanical Control & Valve Installers & Repairers	79	.1	83	5
Gas Appliance Repairers	97	.2	103	14
Tire Repairers & Changers	42	.1	48	10
All Other Mechanics, Installers, & Repairers	130	.2	142	18
Construction Trades & Extractive Occupations, Exc. Material Moving	791	1.3	881	150
Carpenters	91	.2	100	17
Electricians	212	.4	231	35
Painters & Paperhangers - Construction & Maintenance	40	.1	42	3
Plumbers, Pipefitters, & Steamfitters	77	.1	86	12
Pipelayers	19	.0	20	2
Rail-Track Laying & Maintenance Equip. Opers.	199	.3	237	64
Insulation Workers	18	.0	18	0
All Other Construction Trades Workers	129	.2	141	17
Extraction & Related Workers - Incl. Blasters	6	.0	6	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

ARIZONA (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PERCENT OF MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Precision Production Occupations	162	.3	173	23
Machinists	144	.2	154	22
All Other Precision Workers	18	.0	19	1
Machine Setters, Operatives, & Tenders	82	.1	87	9
Boiler Operators & Tenders, Low Pressure	8	.0	8	0
Painters, Transportation Equipment	47	.1	51	7
All Machine Setters & Set-Up Operators	10	.0	10	1
All Other Machine Operators & Tenders	17	.0	18	1
Hand Working, Inc. Assemblers & Fabricators	403	.7	442	70
Welders & Cutters	365	.6	401	65
All Other Hand Workers	38	.1	41	5
Plant & System Occupations	1,136	1.9	1,237	199
Water & Liquid Waste Treatment System Opers.	88	.1	92	5
Gas Plant Operators	135	.2	153	29
Power Generating Plant Opers., Exc. Aux. Equip.	176	.3	194	36
Auxiliary Equipment Operators, Power	245	.4	276	61
Power Reactor Operators	70	.1	73	8
Power Distributors & Dispatchers	194	.3	204	23
Stationary Engineers	24	.0	25	3
All Other Plant & System Operators	204	.3	220	34
Transportation & Material Moving Machine & Vehicle Operators	10,674	17.8	12,428	2,675
Truck Drivers, Heavy or Tractor Trailer	4,463	7.4	5,209	1,068
Truck Drivers, Light - Incl. Delivery & Route	2,119	3.5	2,473	503
Bus Drivers	1,059	1.8	1,237	311
Bus Drivers, School	76	.1	88	21
Taxi Drivers & Chauffeurs	307	.5	352	85
Railroad Conductors & Yardmasters	290	.5	345	103
Locomotive Engineers	288	.5	343	119
Rail Yard Engineers, Dinkey Opers. & Hostlers	32	.1	37	11
Locomotive Firers	98	.2	117	26
Railroad Brake, Signal, & Switch Operators	615	1.0	733	185
All Other Rail Vehicle Opers. & Controllers	28	.0	31	5
Aircraft Pilots & Flight Engineers	422	.7	493	90
Service Station Attendants	77	.1	84	10
All Other Transportation & Related Workers	271	.5	312	69
Crane & Tower Operators	43	.1	45	4
Industrial Truck & Tractor Operators	273	.5	302	42
Operating Engineers	100	.2	106	11
All Other Transportation & Moving Equip. Operators	26	.0	28	2
All Other Material Moving Equipment Operators	87	.1	93	10
Helpers, Laborers, & Material Movers, Hand	4,230	7.0	4,771	941
Mechanic & Repairer Helpers	732	1.2	777	117
Helpers - Electricians & Powerline Installers	487	.8	533	94
Helpers - All Other Construction Trades	421	.7	471	94
Refuse Collectors	482	.8	570	114
Hand Packers & Packagers	232	.4	259	49
Vehicle Washers & Equipment Cleaners	134	.2	154	30
All Other Helpers & Laborers	1,742	2.9	2,007	443
TOTAL OF ALL OCCUPATIONS	59,955	100.0	66,276	12,441

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Small Engine Specialists

All Other Construction Trades Workers
Pipelaying Fitters

All Other Rail Vehicle Opers. & Controllers
Subway & Streetcar Operators

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

APACHE COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	63	65	2	0	2
Financial Managers	5	5	0	0	0
Personnel, Training, & Labor Relations Mgrs.	5	5	0	0	0
Transportation, Communications, & Utilities Operations Managers	20	22	2	0	2
General Managers & Top Executives	15	15	0	0	0
All Other Managers & Administrators	18	18	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	184	196	12	3	15
Accountants & Auditors	23	26	3	3	6
All Other Financial Specialists	7	7	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	7	7	0	0	0
Personnel, Training, & Labor Rel. Specialists	8	8	0	0	0
All Other Management Support Workers	6	6	0	0	0
Electrical & Electronic Engineers	10	11	1	0	1
Mechanical Engineers	7	8	1	0	1
All Other Engineers	10	10	0	0	0
Civil Engineering Technicians & Technologists	6	6	0	0	0
Electrical/Electronic Engineering Technicians	9	10	1	0	1
Mechanical Engineering Techs.	15	17	2	0	2
Drafters	10	11	1	0	1
Surveying & Mapping Technicians	7	8	1	0	1
All Other Engineering & Related Technicians	11	12	1	0	1
All Physical Scientists	8	8	0	0	0
All Life Scientists	3	3	0	0	0
Physical & Life Science Technicians & Technologists	6	6	0	0	0
All Health Diagnosing & Treating Practitioners	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	30	31	1	0	1
SALES & RELATED OCCUPATIONS	16	17	1	2	3
All Sales Representatives & Salespersons, Service	8	9	1	1	2
Cashiers	5	5	0	1	1
All Other Sales & Related Workers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	235	258	23	26	49
First Line Supers.-Clerical & Admin. Support	11	12	1	1	2
Secretaries	21	23	2	3	5
Receptionists & Information Clerks	8	8	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	7	7	0	0	0
Billing, Cost & Rate Clerks	10	11	1	2	3
General Office Clerks	34	39	5	5	10
All Office Machine Operators	4	4	0	0	0
All Communication Equipment Operators	45	52	7	12	19
Meter Readers, Utilities	16	18	2	1	3
Stock Clerks - Stockroom, Warehouse, or Yard	20	23	3	1	4
Traffic, Shipping, & Receiving Clerks	10	10	0	0	0
All Other Material Recording/Scheduling/Dist.	23	25	2	0	2
All Other Clerical & Administrative Support	26	26	0	1	1
SERVICE OCCUPATIONS	29	30	1	2	3
All Service Supervisors & Managers	3	3	0	0	0
Guards & Watch Guards	6	6	0	0	0
Cleaning and Building Service Occupations	19	20	1	2	3
All Other Service Workers	1	1	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

APACHE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	1,057	1,207	150	77	227
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	38	42	4	3	7
First Line Managers/Supervisors - Construction Trades & Extraction Workers	33	38	5	2	7
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	11	12	1	1	2
All Other Inspectors, Testers, & Related	4	4	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	81	94	13	6	19
Maintenance Repairers, General Utility	60	69	9	4	13
Automotive Mechanics	21	24	3	1	4
Bus & Truck Mechs., & Diesel Eng. Specialists	30	33	3	2	5
All Communication Equipment Mechanics/ Installers/Repairers	30	35	5	2	7
Powerhouse, Substation, & Relay Electricians	12	14	2	0	2
Electrical Powerline Installers & Repairers	43	50	7	3	10
All Other Electrical Mechs./Installers/Repairers	29	32	3	0	3
Precision Instrument Repairers	22	25	3	1	4
Electric Meter Installers & Repairers	6	7	1	0	1
All Other Mechanics, Installers, & Repairers	5	5	0	0	0
Electricians	36	41	5	3	8
Painters & Paperhangers - Construction & Maintenance	9	9	0	0	0
Plumbers, Pipefitters, & Steamfitters	6	7	1	0	1
All Other Construction Trades Workers	41	47	6	2	8
Machinists	12	13	1	1	2
Welders & Cutters	73	85	12	6	18
Water & Liquid Waste Treatment System Opers.	9	10	1	0	1
Gas Plant Operators	52	60	8	5	13
Power Generating Plant Opers., Exc. Aux. Equip.	30	35	5	3	8
Auxiliary Equipment Operators, Power	76	89	13	10	23
All Other Plant & System Operators	7	8	1	0	1
Truck Drivers, Heavy or Tractor Trailer	86	95	9	5	14
All Other Motor Vehicle Operators	4	4	0	0	0
Operating Engineers	9	10	1	0	1
All Other Material Moving Equipment Operators	2	2	0	0	0
Mechanic & Repairer Helpers	47	54	7	5	12
Helpers - Electricians & Powerline Installers	21	24	3	1	4
Helpers - All Other Construction Trades	77	90	13	8	21
All Other Helpers & Laborers	35	40	5	3	8
TOTAL OF ALL OCCUPATIONS	1,584	1,773	189	110	299

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

SALES & RELATED OCCUPATIONS

All Other Sales Representatives & Salespersons, Service
Sales Agents, Selected Business Services

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Communication Equipment Operators
Central Office Operators

All Other Material Recording/Scheduling/Dist.
Dispatchers - Exc. Police, Fire, & Ambulance

All Other Clerical & Administrative Support
Adjustment Clerks

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Communication Equipment Mechanics/ Installers/Repairers
Central Office & PBX Installers & Repairers

All Other Electrical Mechs./Installers/Repairers
Telephone & Cable TV Line Installers/Repairers
Station Installers & Repairers, Telephone

All Other Plant & System Operators
Stationary Engineers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

COCHISE COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	91	97	6	3	9
Financial Managers	5	5	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	11	12	1	1	2
Engineering, Mathematical & Natural Sciences Managers	13	15	2	1	3
Transportation, Communications, & Utilities Operations Managers	41	43	2	0	2
General Managers & Top Executives	16	17	1	1	2
All Other Managers & Administrators	5	5	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	353	396	43	14	57
Accountants & Auditors	11	11	0	0	0
All Other Management Support Workers	10	10	0	0	0
Electrical & Electronic Engineers	55	63	8	2	10
All Other Engineers	12	13	1	0	1
Electrical/Electronic Engineering Technicians	65	75	10	2	12
Drafters	38	44	6	2	8
All Other Engineering & Related Technicians	65	74	9	6	15
All Physical Scientists	1	1	0	0	0
All Life Scientists	2	2	0	0	0
Systems Analysts, Electronic Data Processing	17	19	2	0	2
Computer Programmers	11	12	1	0	1
All Health Professionals, Paraprofessionals, & Technicians	2	2	0	0	0
Announcers, Radio & Television	31	36	5	2	7
All Other Professional, Paraprofessional, & Technical Workers	33	34	1	0	1
SALES & RELATED OCCUPATIONS	22	23	1	1	2
Sales Agents, Selected Business Services	8	8	0	0	0
All Other Sales Representatives & Salespersons, Service	11	12	1	1	2
All Other Sales & Related Workers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	307	328	21	28	49
First Line Supers.-Clerical & Admin. Support	12	13	1	0	1
Secretaries	24	25	1	3	4
Typists	22	25	3	5	8
Customer Service Representatives, Utilities	39	44	5	7	12
Bookkeeping, Accounting, & Auditing Clerks	19	20	1	2	3
Billing, Cost & Rate Clerks	27	29	2	4	6
General Office Clerks	37	39	2	4	6
Computer Operators, Exc. Peripheral Equipment	24	27	3	2	5
All Other Office Machine Operators	6	6	0	0	0
All Communication Equipment Operators	8	8	0	1	1
Dispatchers - Exc. Police, Fire, & Ambulance	24	25	1	0	1
Meter Readers, Utilities	14	15	1	0	1
Stock Clerks - Stockroom, Warehouse, or Yard	32	33	1	0	1
All Other Material Recording/Scheduling/Dist.	5	5	0	0	0
All Other Clerical & Administrative Support	14	14	0	0	0
SERVICE OCCUPATIONS	11	11	0	0	0
All Service Supervisors & Managers	1	1	0	0	0
All Protective Service Workers	4	4	0	0	0
Cleaning & Building Service Occupations, Exc. Private House	6	6	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	728	808	83	44	127
First Line Managers/Supervisors - Mechanics/Installers/Repairers	22	24	2	1	3
First Line Mgrs./Supers. - Transport. Operatives	8	8	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	13	14	1	2	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

COCHISE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Other Inspectors, Testers, & Related	6	6	0	0	0
Maintenance Repairers, General Utility	5	5	0	0	0
Automotive Mechanics	6	6	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	10	11	1	0	1
Mobile Heavy Equip. Mechanics, Exc. Engines	7	8	1	0	1
All Communication Equipment Mechanics/ Installers/Repairers	11	12	1	0	1
Telephone & Cable TV Line Installers/Repairers	38	44	6	1	7
Electric Motor, Transformer, & Rel. Repairers	10	11	1	0	1
Electrical Powerline Installers & Repairers	83	96	13	6	19
All Other Electrical Mechs./Installers/Repairers	64	73	9	1	10
All Other Mechanics, Installers, & Repairers	68	75	7	3	10
Electricians	12	13	1	1	2
All Other Construction Trades Workers	1	1	0	0	0
All Precision Metal Workers	4	4	0	0	0
All Machine Operators & Tenders	2	2	0	0	0
All Hand Workers	4	4	0	0	0
Gas Plant Operators	21	21	3	2	5
Power Generating Plant Opers., Exc. Aux. Equip.	12	14	2	1	3
Auxiliary Equipment Operators, Power	25	29	4	3	7
Power Distributors & Dispatchers	16	18	2	1	3
All Other Plant & System Operators	4	4	0	0	0
Truck Drivers, Heavy or Tractor Trailer	61	67	6	4	10
Truck Drivers, Light - Incl. Delivery & Route	34	37	3	2	5
All Other Motor Vehicle Operators	17	18	1	1	2
All Transportation & Related Workers	5	5	0	0	0
Operating Engineers	8	9	1	0	1
All Other Transportation & Moving Equip. Operators	2	2	0	0	0
Helpers - Electricians & Powerline Installers	53	61	8	5	13
Hand Packers & Packagers	65	72	7	7	14
All Other Helpers & Laborers	31	34	3	3	6
TOTAL OF ALL OCCUPATIONS	1,512	1,663	154	90	244

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Professional, Paraprofessional, & Technical Workers
 Broadcast Technicians

SALES & RELATED OCCUPATIONS

All Sales Representatives & Salespersons, Service
 Travel Agents

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Communication Equipment Mechanics/ Installers/Repairers
 Central Office & PBX Installers & Repairers

All Other Electrical Mechs./Installers/Repairers
 Electronics Repairers, Commercial & Ind. Equip.
 Powerhouse, Substation, & Relay Electricians
 Station Installers & Repairers, Telephone
 Electrical Installers & Repairers, Transportation Equipment

All Other Mechanics, Installers, & Repairers
 Machinery Maintenance Mechanics, Water & Power Generation Plants
 Aircraft Mechanics

All Other Motor Vehicle Operators
 Bus Drivers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

COCONINO COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	90	93	3	0	3
Marketing, Advertising, & Public Rel. Mgrs.	5	5	0	0	0
Transportation, Communications, & Utilities Operations Managers	41	43	2	0	2
General Managers & Top Executives	27	28	1	0	1
All Other Managers & Administrators	17	17	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	248	272	24	12	36
Accountants & Auditors	37	40	3	5	8
All Other Financial Specialists	2	2	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	8	9	1	1	2
All Other Management Support Workers	5	5	0	0	0
Electrical & Electronic Engineers	18	19	1	0	1
All Other Engineers	12	12	0	0	0
Electrical/Electronic Engineering Technicians	7	8	1	0	1
Mechanical Engineering Techs.	19	22	3	0	3
All Other Engineering & Related Technicians	20	21	1	0	1
All Physical Scientists	28	32	4	1	5
All Physical & Life Science Techs.	2	2	0	0	0
All Social Scientists	1	1	0	0	0
All Health Professionals, Paraprofessionals, & Technicians	15	16	1	3	4
Announcers, Radio & Television	41	48	7	2	9
All Other Professional, Paraprofessional, & Technical Workers	33	35	2	0	2
SALES & RELATED OCCUPATIONS	77	81	4	6	10
First Line Supervisors & Managers - Sales	6	6	0	0	0
Sales Agents, Selected Business Services	16	16	0	0	0
Sales Agents, Advertising	11	12	1	1	2
All Other Sales Representatives & Salespersons, Service	21	23	2	3	5
All Other Sales & Related Workers	23	24	1	2	3
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	322	345	23	28	51
First Line Supers.-Clerical & Admin. Support	17	17	0	0	0
Reservation & Transportation Ticket Agents	56	61	5	7	12
Secretaries	21	21	0	1	1
Personnel Clerks, Exc. Payroll & Timekeeping	7	8	1	1	2
File Clerks	9	9	0	2	2
Customer Service Representatives, Utilities	21	24	3	3	6
Bookkeeping, Accounting, & Auditing Clerks	25	25	0	0	0
General Office Clerks	41	44	3	5	8
All Office Machine Operators	3	3	0	0	0
Central Office Operators	18	21	3	4	7
All Other Communication Equipment Operators	4	4	0	0	0
Dispatchers - Exc. Police, Fire, & Ambulance	6	6	0	0	0
Meter Readers, Utilities	9	10	1	0	1
Stock Clerks - Stockroom, Warehouse, or Yard	32	36	4	3	7
All Other Material Recording/Scheduling/Dist.	15	16	1	1	2
All Other Clerical & Administrative Support	38	40	2	1	3
SERVICE OCCUPATIONS	61	67	6	9	15
First Line Supers. & Mgrs./Supers. - Service	1	1	0	0	0
Cleaning & Building Service Occupations	23	26	3	3	6
Guides	34	37	3	6	9
All Other Service Workers	3	3	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	1,430	1,623	193	101	294
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	38	43	5	3	8
First Line Managers/Supervisors - Construction Trades & Extraction Workers	46	54	8	4	12
First Line Mgrs./Supers. - Transport. Operatives	17	18	1	1	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

COCONINO COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	3	3	0	0	0
Precision Inspectors, Testers, & Graders	7	8	1	0	1
Machinery Maintenance Mechanics, Water & Power Generation Plants	129	150	21	10	31
Machinery Maintenance Workers	36	42	6	4	10
Bus & Truck Mechs., & Diesel Eng. Specialists	19	20	1	1	2
Central Office & PBX Installers & Repairers	9	10	1	0	1
All Other Communication Equipment Mechanics/ Installers/Repairers	6	6	0	0	0
Telephone & Cable TV Line Installers/Repairers	34	39	5	1	6
Powerhouse, Substation, & Relay Electricians	8	9	1	0	1
Electrical Powerline Installers & Repairers	43	50	7	3	10
Station Installers & Repairers, Telephone	14	16	2	0	2
Precision Instrument Repairers	14	16	2	1	3
Gas Appliance Repairers	7	8	1	0	1
All Other Mechanics, Installers, & Repairers	129	146	17	5	22
Electricians	51	59	8	4	12
All Other Construction Trades Workers	19	21	2	0	2
All Other Construction & Extraction Workers, Exc. Helpers	1	1	0	0	0
Machinists	22	25	3	2	5
Welders & Cutters	60	70	10	5	15
All Other Hand Workers	12	13	1	0	1
Gas Plant Operators	46	53	7	4	11
Power Generating Plant Opers., Exc. Aux. Equip.	36	42	6	4	10
Auxiliary Equipment Operators, Power	53	62	9	7	16
All Other Plant & System Operators	15	16	1	1	2
Truck Drivers, Heavy or Tractor Trailer	191	212	21	13	34
All Other Motor Vehicle Operators	70	75	5	5	10
Aircraft Pilots & Flight Engineers	29	32	3	1	4
All Other Transportation & Related Workers	21	24	3	2	5
All Material Moving Equipment Operators	32	35	3	1	4
Mechanic & Repairer Helpers	14	16	2	0	2
Helpers - All Construction Trades	166	194	28	18	46
All Other Helpers & Laborers	33	35	2	1	3
TOTAL OF ALL OCCUPATIONS	2,228	2,481	253	156	409

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

MANAGERIAL & ADMINISTRATIVE OCCUPATIONS

All Other Managers & Administrators
Financial Managers

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineering & Related Technicians
Civil Engineering Technicians & Technologists

All Health Professionals,
Paraprofessionals, & Technicians
Emergency Medical Technicians

All Other Professional, Paraprofessional,
& Technical Workers
Broadcast Technicians

SALES & RELATED OCCUPATIONS

All Other Sales Representatives & Salespersons, Service
Travel Agents

All Other Sales & Related Workers
Cashiers

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
Transportation Agents

All Other Clerical & Administrative Support
Payroll & Timekeeping Clerks
Billing, Cost & Rate Clerks

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICTION, AND PUBLIC UTILITIES

COCONINO COUNTY (CONTD.)

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

- All Other Mechanics, Installers, & Repairers
  - Maintenance Repairers, General Utility
  - Automotive Mechanics
  - Mobile Heavy Equip. Mechanics, Exc. Engines
  - Aircraft Mechanics
  - Aircraft Engine Specialists

- All Other Construction Trades Workers
  - Painters & Paperhangers - Construction & Maintenance
  - Pipelayers

- All Other Motor Vehicle Operators
  - Truck Drivers, Light - Incl. Delivery & Route
  - Bus Drivers
  - Taxi Drivers & Chauffeurs

- All Material Moving Equipment Operators
  - Industrial Truck & Tractor Operators
  - Operating Engineers

- All Other Helpers & Laborers
  - Vehicle Washers & Equipment Cleaners

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

GILA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	23	24	1	0	1
Transportation, Communications, & Utilities Operations Managers	12	13	1	0	1
General Managers & Top Executives	8	8	0	0	0
All Other Managers & Administrators	3	3	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	34	36	2	2	4
All Management Support Workers	5	5	0	0	0
All Engineers	1	1	0	0	0
All Engineering & Related Technicians	1	1	0	0	0
All Physical & Life Science Techs.	5	5	0	0	0
All Health Professionals, Paraprofessionals, & Technicians	12	13	1	2	3
All Other Professional, Paraprofessional, & Technical Workers	10	11	1	0	1
SALES & RELATED OCCUPATIONS	3	3	0	0	0
All Sales Representatives & Salespersons, Service	2	2	0	0	0
All Other Sales & Related Workers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	58	59	1	3	4
First Line Supers.-Clerical & Admin. Support	4	4	0	0	0
Secretaries	2	2	0	0	0
Customer Service Representatives, Utilities	13	14	1	1	2
General Office Clerks	10	10	0	1	1
All Communication Equipment Operators	6	6	0	1	1
Meter Readers, Utilities	10	10	0	0	0
All Other Material Recording/Scheduling/Dist.	3	3	0	0	0
All Other Clerical & Administrative Support	10	10	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	161	171	10	5	15
All First Line Managers/Supervisors - Maintenance/Production/Construction	5	5	0	0	0
All Communication Equipment Mechanics/ Installers/Repairers	5	5	0	0	0
Electrical Powerline Installers & Repairers	26	29	3	1	4
All Other Electrical Mechs./Installers/Repairers	16	16	0	0	0
All Other Mechanics, Installers, & Repairers	17	17	0	0	0
All Plant & System Operators	8	9	1	0	1
Truck Drivers, Heavy or Tractor Trailer	61	67	6	4	10
All Other Motor Vehicle Operators	6	6	0	0	0
All Transportation & Related Workers	3	3	0	0	0
All Material Moving Equipment Operators	5	5	0	0	0
All Helpers & Laborers	9	9	0	0	0
TOTAL OF ALL OCCUPATIONS	279	293	14	10	24

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Health Professionals,
Paraprofessionals, & Technicians
Emergency Medical Technicians

All Other Professional, Paraprofessional,
& Technical Workers
Announcers, Radio & Television

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Bus & Truck Mechs., & Diesel Eng. Specialists

All Other Electrical Mechs./Installers/Repairers
Telephone & Cable TV Line Installers/Repairers

All Other Plant & System Operators
Water & Liquid Waste Treatment System Opers.

All Other Motor Vehicle Operators
Truck Drivers, Light - Incl. Delivery & Route

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

GRAHAM AND GREENLEE COUNTIES

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	13	13	0	0	0
General Managers & Top Executives	9	9	0	0	0
All Other Managers & Administrators	4	4	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	21	24	3	1	4
All Management Support Workers	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	20	23	3	1	4
SALES & RELATED OCCUPATIONS	4	4	0	0	0
All Sales Representatives & Salespersons, Service	2	2	0	0	0
All Other Sales & Related Workers	2	2	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	27	27	0	0	0
Bill & Account Collectors	5	5	0	0	0
Secretaries	2	2	0	0	0
All Office Machine Operators	3	3	0	0	0
All Communication Equipment Operators	3	3	0	0	0
All Material Recording/Scheduling/Dist.	4	4	0	0	0
All Other Clerical & Administrative Support	10	10	0	0	0
SERVICE OCCUPATIONS	3	3	0	0	0
All Cleaning/Building Service, Exc. Private House	3	3	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	100	106	6	2	8
All First Line Managers/Supervisors - Maintenance/Production/Construction	13	13	0	0	0
All Communication Equipment Mechanics/Installers/Repairers	1	1	0	0	0
All Electrical Mechs./Installers/Repairers	8	8	0	0	0
All Mechanics, Installers, & Repairers	16	17	1	0	1
All Construction Trades Workers	13	14	1	0	1
All Hand Workers	1	1	0	0	0
Truck Drivers, Heavy or Tractor Trailer	29	32	3	1	4
All Other Motor Vehicle Operators	5	5	0	0	0
All Material Moving Equipment Operators	1	1	0	0	0
Mechanic & Repairer Helpers	11	12	1	1	2
All Other Helpers & Laborers	2	2	0	0	0
TOTAL OF ALL OCCUPATIONS	168	177	9	3	12

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Professional, Paraprofessional, & Technical Workers
- Announcers, Radio & Television

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Construction Trades Workers
- Telephone & Cable TV Line Installers/Repairers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

LA PAZ COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	7	7	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	14	15	1	1	2
All Health Professionals, Paraprofessionals, & Technicians	6	6	0	1	1
All Other Professional, Paraprofessional, & Technical Workers	8	9	1	0	1
SALES & RELATED OCCUPATIONS	5	5	0	0	0
All Sales Representatives & Salespersons, Service	2	2	0	0	0
All Other Sales & Related Workers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	12	12	0	0	0
Customer Service Representatives, Utilities	7	7	0	0	0
All Office Machine Operators	1	1	0	0	0
All Material Recording/Scheduling/Dist.	2	2	0	0	0
All Other Clerical & Administrative Support	2	2	0	0	0
SERVICE OCCUPATIONS	8	8	0	1	1
All Food Service Workers	8	8	0	1	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	37	40	3	0	3
All First Line Managers/Supervisors - Maintenance/Production/Construction	5	5	0	0	0
All Communication Equipment Mechanics/ Installers/Repairers	6	7	1	0	1
All Electrical Mechs./Installers/Repairers	24	26	2	0	2
All Other Mechanics, Installers, & Repairers	2	2	0	0	0
TOTAL OF ALL OCCUPATIONS	83	87	4	2	6

Confidential Data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Professionals,
Paraprofessionals, & Technicians
Emergency Medical Technicians

All Other Professional, Paraprofessional,
& Technical Workers
Announcers, Radio & Television

SERVICE OCCUPATIONS

All Other Food Service Workers
Food & Beverage Service Occupations

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Communication Equipment Mechanics/
Installers/Repairers
Central Office & PBX Installers & Repairers

All Electrical Mechs./Installers/Repairers
Electrical Powerline Installers & Repairers
Station Installers & Repairers, Telephone

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MARICOPA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	2,610	2,834	224	186	410
Financial Managers	161	169	8	13	21
Personnel, Training, & Labor Relations Mgrs.	66	68	2	4	6
Purchasing Managers	32	32	0	1	1
Marketing, Advertising, & Public Rel. Mgrs.	159	167	8	14	22
Administrative Services Managers	109	112	3	10	13
Engineering, Mathematical & Natural Sciences Mgrs.	118	123	5	12	17
Transportation, Communications, & Utilities Operations Managers	1,360	1,488	128	69	197
General Managers & Top Executives	438	494	56	46	102
All Other Managers & Administrators	167	181	14	17	31
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	4,515	4,782	267	390	657
Accountants & Auditors	155	163	8	17	25
Budget Analysts	62	64	2	7	9
All Other Financial Specialists	50	52	2	3	5
Purchasing Agents, Exc. Wholesale, Retail, & Farm	77	80	3	7	10
Personnel, Training, & Labor Rel. Specialists	121	127	6	9	15
All Other Management Support Workers	289	307	18	36	54
Chemical Engineers	28	28	0	1	1
Nuclear Engineers	27	28	1	1	2
Civil Engineers, Incl. Traffic	105	112	7	11	18
Electrical & Electronic Engineers	412	432	20	21	41
Industrial Engineers, Exc. Safety	63	65	2	4	6
Safety Engineers, Exc. Mining	22	22	0	0	0
Mechanical Engineers	145	153	8	8	16
All Other Engineers	28	29	1	0	1
Surveying & Mapping Scientists	20	20	0	0	0
Civil Engineering Technicians & Technologists	46	47	1	5	6
Electrical/Electronic Engineering Technicians	233	244	11	11	22
Mechanical Engineering Techs.	46	47	1	1	2
Drafters	106	111	5	7	12
Estimators & Drafters, Utilities	131	137	6	9	15
Surveying & Mapping Techs.	54	56	2	3	5
All Other Engineering & Related Technicians	53	55	2	4	6
Geologists, Geophysicists, & Oceanographers	29	30	1	1	2
All Other Physical Scientists	11	11	0	0	0
Life Scientists	36	37	1	3	4
All Other Physical & Life Science Techs.	4	4	0	0	0
Systems Analysts, Electronic Data Processing	152	159	7	5	12
Computer Programmers	108	113	5	4	9
Computer Programmer Aides	136	143	7	10	17
Mathematical Scientists	50	52	2	7	9
Social Scientists, Including Urban & Regional Planners	28	29	1	1	2
Lawyers	18	18	0	1	1
Farm & Home Management Advisors	36	37	1	2	3
All Other Teachers & Instructors	33	39	6	6	12
Health Practitioners, Technicians, & Related	21	21	0	4	4
Emergency Medical Technicians	334	398	64	76	140
All Other Health Professionals, Paraprofessionals & Technicians	10	11	1	2	3
Writers & Editors	34	34	0	5	5
Public Rel. Specialists & Publicity Writers	83	85	2	10	12
Reporters & Correspondents	109	115	6	19	25
Broadcast News Analysts	55	58	3	3	6
Announcers, Radio & Television	282	298	16	19	35
Photographers	46	48	2	4	6
Camera Operators, Television & Motion Picture	33	34	1	2	3
Broadcast Technicians	196	206	10	10	20
Film Editors	23	24	1	4	5
Artists & Related Workers	12	12	0	1	1
Producers, Directors, Actors, & Entertainers	67	70	3	7	10
All Other Professional, Paraprofessional, & Technical Workers	296	317	21	19	40

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
SALES & RELATED OCCUPATIONS	3,214	3,658	444	469	913
First Line Supervisors & Managers - Sales	252	280	28	31	59
Sales Agents, Selected Business Services	701	777	76	109	185
Travel Agents	1,217	1,452	235	178	413
Sales Agents, Advertising	292	307	15	37	52
Cashiers	108	119	11	18	29
All Other Sales & Related Workers	644	723	79	96	175
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	10,415	11,505	1,090	1,688	2,778
First Line Supers.-Clerical & Admin. Support	528	583	55	64	119
Adjustment Clerks	482	521	39	99	138
Bill & Account Collectors	52	54	2	6	8
Reservation & Transportation Ticket Agents	780	930	150	103	253
Secretaries	679	741	62	147	209
Stenographers	46	48	2	9	11
Receptionists & Information Clerks	262	303	41	51	92
Typists	122	129	7	30	37
Typists, Word Processing Equipment	62	64	2	6	8
Personnel Clerks, Exc. Payroll & Timekeeping	84	87	3	19	22
File Clerks	16	17	1	2	3
Order Clerks - Materials, Merch., & Service	107	117	10	21	31
Statistical Clerks	175	184	9	37	46
Customer Service Representatives, Utilities	799	842	43	169	212
Bookkeeping, Accounting, & Auditing Clerks	794	897	103	148	251
Payroll & Timekeeping Clerks	54	57	3	7	10
Billing, Cost & Rate Clerks	185	210	25	35	60
General Office Clerks	793	869	76	161	237
Billing, Posting, & Calculating Machine Opers.	43	45	2	3	5
Computer Operators, Exc. Peripheral Equipment	72	75	3	4	7
Peripheral EDP Equipment Operators	140	148	8	30	38
Data Entry Keyers, Exc. Composing	208	222	14	11	25
All Other Office Machine Operators	16	16	0	3	3
Switchboard Operators	202	224	22	48	70
Directory Assistance Operators	257	271	14	68	82
Central Office Operators	300	316	16	79	95
All Other Communication Equipment Operators	31	34	3	5	8
Mail Clerks	8	8	0	1	1
Messengers	12	13	1	0	1
Dispatchers - Police, Fire, & Ambulance	37	44	7	4	11
Dispatchers - Exc. Police, Fire, & Ambulance	574	652	78	43	121
Production, Planning, & Expediting Clerks	156	167	11	30	41
Transportation Agents	764	911	147	102	249
Meter Readers, Utilities	205	215	10	13	23
Stock Clerks - Stockroom, Warehouse, or Yard	394	432	38	40	78
Traffic, Shipping, & Receiving Clerks	285	323	38	27	65
All Other Material Recording/Scheduling/Dist.	496	526	30	58	88
All Other Clerical & Administrative Support	195	210	15	5	20
SERVICE OCCUPATIONS	1,287	1,453	166	203	369
First Line Supers. & Mgrs./Supers. - Service	48	52	4	7	11
Detectives & Investigators, Exc. Public	10	10	0	0	0
Guards & Watch Guards	205	215	10	10	20
All Other Protective Service Workers	23	26	3	0	3
All Health Service Workers	15	17	2	1	3
Cleaning & Building Service Occupations	307	331	24	47	71
Guides	78	93	15	16	31
Baggage Porters & Bellhops	212	252	40	14	54
All Other Service Workers	389	457	68	108	176
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	141	148	7	15	22

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	18,432	20,925	2,493	1,648	4,141
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	626	666	40	80	120
First Line Managers/Supervisors - Construction Trades & Extraction Workers	141	153	12	12	24
First Line Mgrs./Supers. - Transport. Operatives	288	338	50	54	104
First Line Mgrs./Supers. - Laborers & Helpers	96	113	17	18	35
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	39	41	2	4	6
Precision Inspectors, Testers, & Graders	24	24	0	2	2
Transportation Inspectors	18	20	2	0	2
All Other Inspectors, Testers, & Related	68	78	10	9	19
Machinery Maintenance Mechanics, Water & Power Generation Plants	276	290	14	23	37
Maintenance Repairers, General Utility	271	288	17	18	35
Automotive Mechanics	194	215	21	12	33
Bus & Truck Mechs., & Diesel Eng. Specialists	471	548	77	37	114
Mobile Heavy Equip. Mechanics, Exc. Engines	7	7	0	0	0
Rail Car Repairers	51	60	9	8	17
Aircraft Mechanics	252	299	47	13	60
Aircraft Engine Specialists	60	70	10	1	11
Central Office & PBX Installers & Repairers	695	734	39	56	95
Frame Wirers, Central Office	93	98	5	5	10
Signal or Track Switch Maintainers	118	140	22	11	33
Radio Mechanics	123	129	6	7	13
All Other Communication Equipment Mechanics/ Installers/Repairers	37	37	0	0	0
Telephone & Cable TV Line Installers/Repairers	414	436	22	22	44
Electric Motor, Transformer, & Rel. Repairers	10	10	0	0	0
Electronics Repairers, Commercial & Ind. Equip.	98	103	5	4	9
Powerhouse, Substation, & Relay Electricians	90	95	5	5	10
Electrical Powerline Installers & Repairers	570	601	31	47	78
Station Installers & Repairers, Telephone	249	262	13	13	26
All Other Electrical Mechs./Installers/Repairers	299	328	29	20	49
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	22	23	1	1	2
Precision Instrument Repairers	56	58	2	5	7
Electric Meter Installers & Repairers	91	95	4	4	8
Mechanical Control & Valve Installers & Repairers	20	20	0	0	0
Tire Repairers & Changers	30	35	5	3	8
All Other Mechanics, Installers, & Repairers	417	445	28	28	56
Carpenters	74	83	9	8	17
Electricians	86	90	4	8	12
Painters & Paperhangers - Construction & Maintenance	20	21	1	1	2
Plumbers, Pipefitters, & Steamfitters	53	60	7	3	10
Pipelayers	11	11	0	1	1
Insulation Workers	13	13	0	0	0
All Other Construction Trades Workers	21	24	3	1	4
All Other Construction & Extraction Workers, Exc. Helpers	200	238	38	26	64
Machinists	87	91	4	8	12
All Other Precision Workers	7	8	1	0	1
Painters, Transportation Equipment	17	19	2	1	3
All Other Machine Setters & Set-Up Operators	9	9	0	1	1
All Machine Operators & Tenders	10	11	1	0	1
Welders & Cutters	163	172	9	14	23
All Other Hand Workers	5	5	0	0	0
Water & Liquid Waste Treatment System Opers.	46	47	1	1	2
Power Generating Plant Opers., Exc. Aux. Equip.	75	78	3	9	12
Auxiliary Equipment Operators, Power	76	80	4	9	13
Power Reactor Operators	65	68	3	5	8

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MARICOPA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Power Distributors & Dispatchers	161	169	8	12	20
Stationary Engineers	23	24	1	2	3
All Other Plant & System Operators	128	133	5	13	18
Truck Drivers, Heavy or Tractor Trailer	3,297	3,913	616	244	860
Truck Drivers, Light - Incl. Delivery & Route	1,597	1,895	298	116	414
Bus Drivers	696	829	133	90	223
Taxi Drivers & Chauffeurs	154	183	29	21	50
All Other Motor Vehicle Operators	53	63	10	7	17
Railroad Conductors & Yardmasters	287	342	55	48	103
Locomotive Engineers	287	342	55	64	119
Rail Yard Engineers, Dinkey Opers. & Hostlers	29	34	5	6	11
Locomotive Firers	98	117	19	7	26
Railroad Brake, Signal, & Switch Operators	612	730	118	67	185
All Other Rail Vehicle Opers. & Controllers	11	13	2	1	3
Aircraft Pilots & Flight Engineers	308	367	59	16	75
Service Station Attendants	46	52	6	2	8
All Other Transportation & Related Workers	188	220	32	20	52
Crane & Tower Operators	39	41	2	2	4
Industrial Truck & Tractor Operators	197	221	24	12	36
Operating Engineers	57	59	2	4	6
All Other Transportation & Moving Equip. Operators	16	17	1	0	1
All Material Moving Equipment Operators	66	71	5	4	9
Mechanic & Repairer Helpers	462	485	23	49	72
Helpers - Electricians & Powerline Installers	240	253	13	26	39
Helpers - All Other Construction Trades	151	159	8	16	24
Refuse Collectors	442	527	85	26	111
Vehicle Washers & Equipment Cleaners	95	112	17	9	26
All Other Helpers & Laborers	1,340	1,567	227	146	373
TOTAL OF ALL OCCUPATIONS	40,614	45,305	4,691	4,599	9,290

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineers
Engineers

All Other Teachers & Instructors
Teachers & Instructors, Voc. Ed. & Training

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical & Administrative Support
Credit Authorizers

SERVICE OCCUPATIONS

All Other Protective Service Workers
Railroad & Transit Police & Special Agents

All Health Service Workers
Ambulance Drivers & Attendants - Exc. Emergency Medical Technicians

All Other Service Workers
Flight Attendants

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Communication Equipment Mechanics/Installers/Repairers
Telegraph & Teletype Installers & Maintainers

All Other Electrical Mechs./Installers/Repairers
Electrical Installers & Repairers, Transportation Equipment

All Other Mechanics, Installers, & Repairers
Machinery Maintenance Workers

All Other Construction & Extraction Workers, Exc. Helpers
Rail-Track Laying & Maintenance Equip. Opers.
Extraction & Related Workers - Incl. Blasters

All Other Hand Workers
Hand Working, Inc. Assemblers & Fabricators

All Other Motor Vehicle Operators
Bus Drivers, School

All Other Rail Vehicle Opers. & Controllers
Subway & Streetcar Operators

All Other Helpers & Laborers
Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MOHAVE COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	64	65	1	0	1
Transportation, Communications, & Utilities Operations Managers	18	18	0	0	0
General Managers & Top Executives	25	26	1	0	1
All Other Managers & Administrators	21	21	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	128	136	8	5	13
Accountants & Auditors	7	7	0	0	0
All Other Financial Specialists	1	1	0	0	0
All Other Management Support Workers	11	11	0	0	0
Electrical & Electronic Engineers	6	6	0	0	0
All Other Engineers	14	16	2	1	3
Drafters	7	7	0	0	0
All Other Engineering & Related Technicians	19	19	0	0	0
All Teachers & Instructors	1	1	0	0	0
All Health Professionals, Paraprofessionals, & Technicians	15	16	1	3	4
Broadcast News Analysts	6	7	1	0	1
Announcers, Radio & Television	23	27	4	1	5
All Other Professional, Paraprofessional, & Technical Workers	18	18	0	0	0
SALES & RELATED OCCUPATIONS	108	117	9	10	19
First Line Supervisors & Managers - Sales	9	9	0	0	0
Sales Agents, Selected Business Services	29	32	3	3	6
Sales Agents, Advertising	17	20	3	2	5
All Sales Representatives & Salespersons, Service	28	31	3	3	6
Cashiers	19	19	0	2	2
All Other Sales & Related Workers	6	6	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	290	311	21	29	50
First Line Supers.-Clerical & Admin. Support	30	32	2	2	4
Adjustment Clerks	6	6	0	0	0
Bill & Account Collectors	10	11	1	1	2
Secretaries	26	27	1	2	3
Typists	18	21	3	4	7
Customer Service Representatives, Utilities	12	13	1	1	2
Bookkeeping, Accounting, & Auditing Clerks	21	21	0	1	1
Billing, Cost & Rate Clerks	12	12	0	0	0
General Office Clerks	26	27	1	4	5
Data Entry Keyers, Exc. Composing	7	7	0	0	0
All Other Office Machine Operators	3	3	0	0	0
Central Office Operators	47	55	8	12	20
All Other Communication Equipment Operators	2	2	0	0	0
Meter Readers, Utilities	18	20	2	0	2
Stock Clerks - Stockroom, Warehouse, or Yard	11	12	1	0	1
All Other Material Recording/Scheduling/Dist.	11	11	0	0	0
All Other Clerical & Administrative Support	30	31	1	2	3
SERVICE OCCUPATIONS	33	36	3	5	8
All Protective Service Workers	3	3	0	0	0
All Cleaning/Building Service, Exc. Private House	25	28	3	4	7
All Other Service Workers	5	5	0	1	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	430	465	35	15	50
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	25	26	1	1	2
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	17	18	1	2	3
All Inspectors, Testers, & Related	4	4	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	5	5	0	0	0
Maintenance Repairers, General Utility	9	9	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

MOHAVE COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Automotive Mechanics	7	7	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	10	11	1	0	1
Central Office & PBX Installers & Repairers	11	12	1	0	1
All Other Communication Equipment Mechanics/ Installers/Repairers	7	7	0	0	0
Telephone & Cable TV Line Installers/Repairers	34	39	5	1	6
Electrical Powerline Installers & Repairers	29	33	4	1	5
All Other Electrical Mechs./Installers/Repairers	23	26	3	1	4
Gas Appliance Repairers	5	5	0	0	0
All Other Mechanics, Installers, & Repairers	20	20	0	0	0
All Construction Trades Workers	18	19	1	0	1
All Precision Workers	1	1	0	0	0
All Hand Workers	1	1	0	0	0
Water & Liquid Waste Treatment System Opers.	10	11	1	0	1
All Other Plant & System Operators	1	1	0	0	0
Truck Drivers, Heavy or Tractor Trailer	83	92	9	6	15
All Other Motor Vehicle Operators	27	29	2	2	4
All Transportation & Related Workers	25	27	2	0	2
All Transportation & Moving Equip. Operators	1	1	0	0	0
All Material Moving Equipment Operators	1	1	0	0	0
Mechanic & Repairer Helpers	10	11	1	0	1
Refuse Collectors	22	24	2	0	2
All Other Helpers & Laborers	24	25	1	1	2
TOTAL OF ALL OCCUPATIONS	1,053	1,130	77	64	141

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineering & Related Technicians
Electrical/Electronic Engineering Technicians

All Health Professionals, Paraprofessionals, & Technicians
Emergency Medical Technicians

SALES & RELATED OCCUPATIONS

All Sales Representatives & Salespersons, Service
Travel Agents

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
Dispatchers - Exc. Police, Fire, & Ambulance

All Other Clerical & Administrative Support
Reservation & Transportation Ticket Agents

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Electrical Mechs./Installers/Repairers
Station Installers & Repairers, Telephone

All Other Mechanics, Installers, & Repairers
Aircraft Mechanics

All Construction Trades Workers
Electricians

All Other Motor Vehicle Operators
Truck Drivers, Light - Incl. Delivery & Route
Taxi Drivers & Chauffeurs

All Transportation & Related Workers
Aircraft Pilots & Flight Engineers
Service Station Attendants

All Other Helpers & Laborers
Helpers - Electricians & Powerline Installers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

NAVAJO COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	63	67	4	2	6
Transportation, Communications, & Utilities Operations Managers	32	35	3	1	4
General Managers & Top Executives	16	17	1	1	2
All Other Managers & Administrators	15	15	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	97	108	11	6	17
All Financial Specialists	1	1	0	0	0
All Management Support Workers	45	52	7	6	13
Electrical & Electronic Engineers	11	12	1	0	1
All Other Engineers	9	10	1	0	1
All Engineering & Related Technicians	12	12	0	0	0
All Health Diagnosing & Treating Practitioners	1	1	0	0	0
Announcers, Radio & Television	13	15	2	0	2
All Other Professional, Paraprofessional, & Technical Workers	5	5	0	0	0
SALES & RELATED OCCUPATIONS	10	10	0	0	0
Sales Agents, Advertising	6	6	0	0	0
All Other Sales & Related Workers	4	4	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	317	351	34	41	75
First Line Supers.-Clerical & Admin. Support	13	14	1	1	2
Bill & Account Collectors	6	6	0	0	0
Secretaries	31	34	3	3	6
Order Clerks - Materials, Merch., & Service	38	44	6	8	14
Statistical Clerks	6	7	1	1	2
Customer Service Representatives, Utilities	24	27	3	4	7
Bookkeeping, Accounting, & Auditing Clerks	17	17	0	0	0
Payroll & Timekeeping Clerks	10	11	1	1	2
General Office Clerks	69	78	9	11	20
All Office Machine Operators	1	1	0	0	0
All Communication Equipment Operators	32	37	5	8	13
Meter Readers, Utilities	12	12	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	22	24	2	1	3
All Other Material Recording/Scheduling/Dist.	23	25	2	2	4
All Other Clerical & Administrative Support	13	14	1	1	2
SERVICE OCCUPATIONS	18	19	1	3	4
All Cleaning/Building Service, Exc. Private House	18	19	1	3	4
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	2	2	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	691	768	77	45	122
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	69	77	8	8	16
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	21	22	1	1	2
All Inspectors, Testers, & Related	6	6	0	0	0
Automotive Mechanics	8	8	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	9	9	0	0	0
Central Office & PBX Installers & Repairers	19	22	3	1	4
All Other Communication Equipment Mechanics/ Installers/Repairers	6	6	0	0	0
Telephone & Cable TV Line Installers/Repairers	41	47	6	2	8
Powerhouse, Substation, & Relay Electricians	31	35	4	1	5
Electrical Powerline Installers & Repairers	27	31	4	2	6
Station Installers & Repairers, Telephone	25	29	4	1	5
All Other Electrical Mechs./Installers/Repairers	6	6	0	0	0
All Other Mechanics, Installers, & Repairers	60	66	6	3	9
All Construction Trades Workers	18	18	0	0	0
Machinists	13	15	2	1	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

NAVAJO COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Hand Workers	25	28	3	2	5
All Plant & System Operators	45	52	7	4	11
Truck Drivers, Heavy or Tractor Trailer	47	51	4	3	7
All Other Motor Vehicle Operators	16	17	1	1	2
All Rail Vehicle Opers. & Controllers	4	4	0	0	0
All Transportation & Related Workers	24	26	2	1	3
All Material Moving Equipment Operators	34	37	3	1	4
All Helpers & Laborers	137	156	19	13	32
TOTAL OF ALL OCCUPATIONS	1,198	1,325	127	97	224

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineers
  Mechanical Engineers

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Communication Equipment Operators
  Central Office Operators

All Other Material Recording/Scheduling/Dist.
  Production, Planning, & Expediting Clerks

All Other Clerical & Administrative Support
  Billing, Cost & Rate Clerks

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other First Line Managers/Supervisors - Maintenance/Production/Construction
  First Line Mgrs./Supers. - Transport. Operatives

All Other Mechanics, Installers, & Repairers
  Machinery Maintenance Mechanics, Water & Power Generation Plants

All Construction Trades Workers
  Plumbers, Pipefitters, & Steamfitters

All Hand Workers
  Welders & Cutters

All Other Motor Vehicle Operators
  Truck Drivers, Light - Incl. Delivery & Route

All Transportation & Related Workers
  Aircraft Pilots & Flight Engineers
  Service Station Attendants

All Material Moving Equipment Operators
  Industrial Truck & Tractor Operators

All Helpers & Laborers
  Helpers - Electricians & Powerline Installers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PIMA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	486	509	23	26	49
Financial Managers	32	32	0	0	0
Personnel, Training, & Labor Relations Mgrs.	10	10	0	0	0
Purchasing Managers	5	5	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	39	40	1	3	4
Administrative Services Managers	14	14	0	0	0
Engineering, Mathematical and Natural Sciences Mgrs	16	16	0	1	1
Transportation, Communications, & Utilities Operations Managers	166	175	9	5	14
General Managers & Top Executives	182	195	13	16	29
All Other Managers & Administrators	22	22	0	1	1
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,035	1,079	44	68	112
Accountants & Auditors	51	52	1	3	4
All Other Financial Specialists	13	13	0	1	1
Purchasing Agents, Exc. Wholesale, Retail, & Farm	15	15	0	1	1
Personnel, Training, & Labor Rel. Specialists	18	18	0	0	0
All Other Management Support Workers	18	18	0	1	1
Electrical & Electronic Engineers	148	155	7	7	14
Mechanical Engineers	9	9	0	0	0
All Other Engineers	26	27	1	1	2
Electrical/Electronic Engineering Technicians	82	85	3	3	6
Mechanical Engineering Techs.	7	7	0	0	0
Drafters	25	25	0	1	1
All Other Engineering & Related Technicians	51	52	1	2	3
All Physical Scientists	1	1	0	0	0
All Life Scientists	3	3	0	0	0
All Physical & Life Science Techs.	1	1	0	0	0
Systems Analysts, Electronic Data Processing	46	47	1	0	1
Computer Programmers	13	13	0	0	0
All Mathematical Scientists	2	2	0	0	0
All Social Scientists	1	1	0	0	0
All Teachers & Instructors	8	8	0	0	0
Emergency Medical Technicians	100	113	13	22	35
All Other Health Professionals, Paraprofessionals & Technicians	1	1	0	0	0
Public Rel. Specialists & Publicity Writers	9	9	0	0	0
Reporters & Correspondents	35	37	2	6	8
Broadcast News Analysts	24	25	1	1	2
Announcers, Radio & Television	147	156	9	10	19
Photographers	21	22	1	2	3
Camera Operators, Television & Motion Picture	32	33	1	1	2
Broadcast Technicians	66	69	3	3	6
Film Editors	14	14	0	2	2
Artists & Related Workers	8	8	0	0	0
Producers, Directors, Actors, & Entertainers	7	7	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	33	33	0	1	1
SALES & RELATED OCCUPATIONS	626	686	60	81	141
First Line Supervisors & Managers - Sales	51	53	2	3	5
Sales Agents, Selected Business Services	140	149	9	18	27
Travel Agents	314	357	43	45	88
Sales Agents, Advertising	66	70	4	8	12
Cashiers	30	31	1	4	5
All Other Sales & Related Workers	25	26	1	3	4
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	2,212	2,337	1 25	325	450
First Line Supers.-Clerical & Admin. Support	125	132	7	12	19
Credit Managers	6	6	0	1	1
Adjustment Clerks	136	143	7	27	34
Bill & Account Collectors	9	9	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Reservation & Transportation Ticket Agents	71	79	8	8	16
Secretaries	114	119	5	19	24
Stenographers	19	19	0	3	3
Receptionists & Information Clerks	26	27	1	2	3
Typists	76	79	3	17	20
Typists, Word Processing Equipment	19	20	1	2	3
Personnel Clerks, Exc. Payroll & Timekeeping	7	7	0	1	1
Order Clerks - Materials, Merch., & Service	13	13	0	2	2
Statistical Clerks	53	56	3	11	14
Customer Service Representatives, Utilities	212	224	12	44	56
Bookkeeping, Accounting, & Auditing Clerks	150	157	7	22	29
Payroll & Timekeeping Clerks	19	19	0	1	1
Billing, Cost & Rate Clerks	57	61	4	9	13
General Office Clerks	173	183	10	31	41
Billing, Posting, & Calculating Machine Opers.	21	21	0	1	1
Computer Operators, Exc. Peripheral Equipment	23	23	0	0	0
Data Entry Keyers, Exc. Composing	27	28	1	0	1
All Other Office Machine Operators	13	14	1	2	3
Switchboard Operators	26	26	0	4	4
Directory Assistance Operators	66	70	4	17	21
All Other Communication Equipment Operators	153	162	9	40	49
Dispatchers - Exc. Police, Fire, & Ambulance	108	117	9	5	14
Production, Planning, & Expediting Clerks	50	52	2	10	12
Meter Readers, Utilities	79	82	3	4	7
Stock Clerks - Stockroom, Warehouse, or Yard	248	273	25	25	50
Traffic, Shipping, & Receiving Clerks	21	21	0	0	0
All Other Material Recording/Scheduling/Dist.	34	36	2	1	3
All Other Clerical & Administrative Support	58	59	1	4	5
SERVICE OCCUPATIONS	185	199	14	19	33
First Line Supers. & Mgrs./Supers. - Service	5	5	0	0	0
Guards & Watch Guards	10	10	0	0	0
All Other Protective Service Workers	11	12	1	0	1
All Health Service Workers	67	76	9	8	17
Cleaning and Building Service Occupations	40	40	0	3	3
All Other Service Workers	52	56	4	8	12
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	3,639	3,941	302	280	582
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	132	137	5	14	19
First Line Managers/Supervisors - Construction Trades & Extraction Workers	45	47	2	3	5
First Line Mgrs./Supers. - Transport. Operatives	36	39	3	7	10
First Line Mgrs./Supers. - Laborers & Helpers	11	12	1	2	3
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	70	74	4	11	15
Precision Inspectors, Testers, & Graders	18	19	1	1	2
All Other Inspectors, Testers, & Related	12	12	0	0	0
Machinery Maintenance Mechanics, Water & Power Generation Plants	14	14	0	0	0
All Other Machinery Maintenance Mechanics	1	1	0	0	0
Maintenance Repairers, General Utility	61	64	3	3	6
Automotive Mechanics	56	58	2	1	3
Bus & Truck Mechs., & Diesel Eng. Specialists	75	84	9	6	15
Mobile Heavy Equip. Mechanics, Exc. Engines	9	9	0	0	0
Aircraft Mechanics	92	103	11	4	15
Central Office & PBX Installers & Repairers	179	190	11	14	25
Frame Wirers, Central Office	30	31	1	1	2
Radio Mechanics	60	63	3	3	6
All Other Communication Equipment Mechanics/ Installers/Repairers	1	1	0	0	0
Telephone & Cable TV Line Installers/Repairers	205	216	11	11	22
Electronics Repairers, Commercial & Ind. Equip.	105	110	5	5	10

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PIMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Powerhouse, Substation, & Relay Electricians	48	50	2	2	4
Electrical Powerline Installers & Repairers	271	286	15	20	35
Station Installers & Repairers, Telephone	70	74	4	3	7
All Other Electrical Mechs./Installers/Repairers	25	26	1	1	2
Mechanical Control & Valve Installers & Repairers	24	25	1	1	2
Gas Appliance Repairers	58	61	3	6	9
All Other Mechanics, Installers, & Repairers	53	55	2	3	5
Carpenters	9	9	0	0	0
All Other Construction Trades Workers	51	53	2	2	4
All Other Construction & Extraction Workers, Exc. Helpers	2	2	0	0	0
All Precision Metal Workers	1	1	0	0	0
All Precision Workers	9	9	0	0	0
Boiler Operators & Tenders, Low Pressure	8	8	0	0	0
All Machine Setters & Set-Up Operators	1	1	0	0	0
All Other Machine Operators & Tenders	10	10	0	0	0
Welders & Cutters	25	26	1	2	3
Gas Plant Operators	7	7	0	0	0
Power Generating Plant Opers., Exc. Aux. Equip.	7	7	0	0	0
Power Distributors & Dispatchers	11	11	0	0	0
All Other Plant & System Operators	23	23	0	0	0
Truck Drivers, Heavy or Tractor Trailer	422	476	54	30	84
Truck Drivers, Light - Incl. Delivery & Route	290	327	37	19	56
Bus Drivers	304	344	40	38	78
Taxi Drivers & Chauffeurs	123	138	15	17	32
All Transportation & Related Workers	38	42	4	1	5
All Transportation & Moving Equip. Operators	10	11	1	0	1
All Material Moving Equipment Operators	11	12	1	0	1
Mechanic & Repairer Helpers	161	170	9	16	25
Helpers - All Other Construction Trades	25	26	1	2	3
Vehicle Washers & Equipment Cleaners	30	33	3	1	4
All Other Helpers & Laborers	300	334	34	30	64
TOTAL OF ALL OCCUPATIONS	8,183	8,751	568	799	1,367

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational claasses as follow:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Engineering & Related Technicians
- Surveying & Mapping Techs.

All Other Health Professionals, Paraprofessionals & Technicians
- Health Practitioners, Technicians, & Related

All Other Professional, Paraprofessional, & Technical Workers
- Writers & Editors

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Office Machine Operators
- Peripheral EDP Equipment Operators

All Other Communication Equipment Operators
- Central Office Operators

All Other Material Recording/Scheduling/Dist.
- Dispatchers - Police, Fire, & Ambulance
- Transportation Agents

All Other Clerical & Administrative Support
- Travel Clerks
- Correspondence Clerks

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PIMA COUNTY (CONTD.)

SERVICE OCCUPATIONS

All Other Protective Service Workers
- Railroad & Transit Police & Special Agents

All Health Service Workers
- Ambulance Drivers & Attendants - Exc. Emergency Medical Technicians

All Other Service Workers
- Guides
- Baggage Porters & Bellhops
- Flight Attendants

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
- Electric Meter Installers & Repairers
- Tire Repairers & Changers

All Other Construction Trades Workers
- Electricians

All Other Machine Operators & Tenders
- Painters, Transportation Equipment

All Transportation & Related Workers
- Aircraft Pilots & Flight Engineers
- Service Station Attendants

All Material Moving Equipment Operators
- Industrial Truck & Tractor Operators

All Other Helpers & Laborers
- Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PINAL COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	52	54	2	0	2
Transportation, Communications, & Utilities Operations Managers	23	25	2	0	2
General Managers & Top Executives	12	12	0	0	0
All Other Managers & Administrators	17	17	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	71	75	4	5	9
All Financial Specialists	1	1	0	0	0
All Management Support Workers	17	18	1	1	2
All Engineers	3	3	0	0	0
All Engineering & Related Technicians	9	9	0	0	0
All Teachers & Instructors	2	2	0	0	0
All Health Professionals, Paraprofessionals, & Technicians	17	18	1	3	4
Announcers, Radio & Television	16	18	2	1	3
All Other Professional, Paraprofessional, & Technical Workers	6	6	0	0	0
SALES & RELATED OCCUPATIONS	45	47	2	3	5
Sales Agents, Advertising	7	7	0	0	0
All Sales Representatives & Salespersons, Service	19	20	1	1	2
All Other Sales & Related Workers	19	20	1	2	3
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	153	164	11	13	24
First Line Supers.-Clerical & Admin. Support	8	8	0	0	0
Secretaries	8	8	0	0	0
Customer Service Representatives, Utilities	33	37	4	5	9
Bookkeeping, Accounting, & Auditing Clerks	13	13	0	0	0
General Office Clerks	26	29	3	3	6
All Office Machine Operators	3	3	0	0	0
Central Office Operators	7	8	1	1	2
All Other Communication Equipment Operators	10	11	1	1	2
Production, Planning, & Expediting Clerks	11	12	1	2	3
Stock Clerks - Stockroom, Warehouse, or Yard	6	6	0	0	0
All Other Material Recording/Scheduling/Dist.	20	21	1	1	2
All Other Clerical & Administrative Support	8	8	0	0	0
SERVICE OCCUPATIONS	67	72	5	8	13
All Service Supervisors & Managers	3	3	0	0	0
Guards & Watch Guards	1	1	0	0	0
All Other Protective Service Workers	10	11	1	0	1
All Other Food Service Workers	27	29	2	4	6
Cleaning And Building Service Occupations	26	28	2	4	6
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	483	526	43	24	67
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	16	17	1	1	2
First Line Mgrs./Supers. - Transport. Operatives	7	7	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	3	3	0	0	0
Transportation Inspectors	10	11	1	1	2
Machinery Maintenance Mechanics, Water & Power Generation Plants	24	27	3	1	4
Maintenance Repairers, General Utility	11	12	1	0	1
Aircraft Engine Specialists	28	31	3	1	4
All Communication Equipment Mechanics/ Installers/Repairers	15	15	0	0	0
Electrical Powerline Installers & Repairers	25	29	4	2	6
Station Installers & Repairers, Telephone	6	7	1	0	1
All Other Electrical Mechs./Installers/Repairers	17	18	1	0	1
Gas Appliance Repairers	11	12	1	1	2
All Other Mechanics, Installers, & Repairers	94	102	8	4	12

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

PINAL COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Construction Trades Workers	16	17	1	0	1
All Precision Metal Workers	2	2	0	0	0
All Precision Workers	1	1	0	0	0
Painters, Transportation Equipment	22	24	2	2	4
All Other Machine Operators & Tenders	3	3	0	0	0
Welders & Cutters	11	12	1	0	1
All Other Hand Workers	21	23	2	2	4
Power Generating Plant Opers., Exc. Aux. Equip.	14	16	2	1	3
Auxiliary Equipment Operators, Power	9	10	1	1	2
All Other Plant & System Operators	4	4	0	0	0
All Motor Vehicle Operators	22	24	2	1	3
All Rail Vehicle Opers. & Controllers	23	24	1	1	2
All Transportation & Related Workers	12	13	1	1	2
All Material Moving Equipment Operators	6	6	0	0	0
Helpers - Electricians & Powerline Installers	17	20	3	1	4
All Other Helpers & Laborers	33	36	3	3	6
TOTAL OF ALL OCCUPATIONS	871	938	67	53	120

Confidential data for certain occupations have been added to "All" or All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Health Professionals, Paraprofessionals, & Technicians
  Emergency Medical Technicians

SALES & RELATED OCCUPATIONS

All Other Sales Representatives & Salespersons, Service
  Sales Agents, Selected Business Services
  Travel Agents
  All Other Sales & Related Workers
  Cashiers

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Communication Equipment Operators
  Switchboard Operators

All Other Material Recording/Scheduling/Dist.
  Meter Readers, Utilities
  Traffic, Shipping, & Receiving Clerks

SERVICE OCCUPATIONS

All Food Service Workers
  Food & Beverage Service Occupations

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Electrical Mechs./Installers/Repairers
  Electronics Repairers, Commercial & Ind. Equip.

All Other Mechanics, Installers, & Repairers
  Bus & Truck Mechs., & Diesel Eng. Specialists
  Aircraft Mechanics

All Other Motor Vehicle Operators
Truck Drivers, Heavy or Tractor Trailer

All Other Material Moving Equipment Operators
  Industrial Truck & Tractor Operators

All Other Helpers & Laborers
  Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

SANTA CRUZ COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	40	41	1	2	3
Transportation, Communications, & Utilities Operations Managers	7	7	0	0	0
General Managers & Top Executives	25	26	1	2	3
All Other Managers & Administrators	8	8	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	17	18	1	0	1
All Financial Specialists	2	2	0	0	0
All Management Support Workers	2	2	0	0	0
All Engineers	1	1	0	0	0
All Engineering & Related Technicians	2	2	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	10	11	1	0	1
SALES & RELATED OCCUPATIONS	25	26	1	1	2
ALL Sales Representatives & Salespersons, Service	14	15	1	1	2
All Other Sales & Related Workers	11	11	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	224	238	14	24	38
First Line Supers.-Clerical & Admin. Support	11	11	0	1	1
Secretaries	12	12	0	1	1
Order Clerks - Materials, Merch., & Service	38	42	4	8	12
Bookkeeping, Accounting, & Auditing Clerks	18	19	1	2	3
Billing, Cost & Rate Clerks	11	11	0	1	1
General Office Clerks	31	33	2	5	7
All Office Machine Operators	48	53	5	3	8
All Communication Equipment Operators	3	3	0	0	0
Dispatchers - Exc. Police, Fire, & Ambulance	11	12	1	0	1
All Other Material Recording/Scheduling/Dist.	20	20	0	0	0
All Other Clerical & Administrative Support	21	22	1	3	4
SERVICE OCCUPATIONS	5	5	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	228	244	16	13	29
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	9	10	1	0	1
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	5	5	0	0	0
All Inspectors, Testers, & Related	1	1	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	9	10	1	0	1
All Communication Equipment Mechanics/ Installers/Repairers	1	1	0	0	0
All Electrical Mechs./Installers/Repairers	6	6	0	0	0
All Construction & Extraction Workers, Exc. Helpers	1	1	0	0	0
All Other Mechanics, Installers, & Repairers	19	20	1	0	1
All Hand Workers	1	1	0	0	0
All Plant & System Operators	4	4	0	0	0
Truck Drivers, Heavy or Tractor Trailer	45	49	4	3	7
Bus Drivers, School	22	24	2	2	4
All Other Motor Vehicle Operators	9	9	0	1	1
All Transportation & Related Workers	44	49	5	5	10
All Material Moving Equipment Operators	10	10	0	0	0
All Helpers & Laborers	42	44	2	2	4
TOTAL OF ALL OCCUPATIONS	539	572	33	40	73

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

SANTA CRUZ COUNTY (CONTD.)

Confidential data for certai occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Professional, Paraprofessional, & Technical Workers
Announcers, Radio & Television

SALES & RELATED OCCUPATIONS

All Other Sales Representatives & Salespersons, Service
Travel Agents

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Office Machine Operators
Data Entry Keyers, Exc. Composing

All Other Material Recording/Scheduling/Dist.
Traffic, Shipping, & Receiving Clerks

All Other Clerical & Administrative Support
Typists

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Mechanics, Installers, & Repairers
Automotive Mechanics

All Material Moving Equipment Operators
Industrial Truck & Tractor Operators

All Helpers & Laborers
Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

YAVAPAI COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	57	60	3	1	4
Transportation, Communications, & Utilities Operations Managers	26	29	3	0	3
General Managers & Top Executives	24	24	0	1	1
All Other Managers & Administrators	7	7	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	151	168	17	14	31
All Management Support Workers	10	11	1	1	2
Electrical & Electronic Engineers	14	15	1	0	1
Electrical/Electronic Engineering Technicians	13	15	2	0	2
Estimators & Drafters, Utilities	8	9	1	0	1
Surveying & Mapping Techs.	7	8	1	0	1
All Other Engineering & Related Technicians	5	5	0	0	0
All Physical Scientists	1	1	0	0	0
All Health Professionals, Paraprofessionals & Technicians	51	56	5	11	16
Announcers, Radio & Television	34	40	6	2	8
All Other Professional, Paraprofessional, & Technical Workers	8	8	0	0	0
SALES & RELATED OCCUPATIONS	63	69	6	6	12
First Line Supervisors & Managers - Sales	4	4	0	0	0
Sales Agents, Selected Business Services	18	20	2	2	4
Travel Agents	26	28	2	3	5
Sales Agents, Advertising	12	14	2	1	3
All Other Sales & Related Workers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	177	186	9	14	23
First Line Supers.-Clerical & Admin. Support	12	12	0	0	0
Secretaries	18	19	1	2	3
Bookkeeping, Accounting, & Auditing Clerks	21	22	1	1	2
Billing, Cost & Rate Clerks	9	9	0	0	0
General Office Clerks	16	16	0	0	0
All Office Machine Operators	7	7	0	1	1
Central Office Operators	21	24	3	5	8
Dispatchers - Exc. Police, Fire, & Ambulance	8	8	0	0	0
Meter Readers, Utilities	10	11	1	0	1
All Other Material Recording/Scheduling/Dist.	15	15	0	0	0
All Other Clerical & Administrative Support	40	43	3	5	8
SERVICE OCCUPATIONS	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	410	449	39	22	61
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	30	33	3	3	6
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	6	6	0	0	0
All Other Inspectors, Testers, & Related	1	1	0	0	0
Automotive Mechanics	9	9	0	0	0
Central Office & PBX Installers & Repairers	8	9	1	0	1
Radio Mechanics	10	11	1	0	1
All Other Communication Equipment Mechanics/ Installers/Repairers	3	3	0	0	0
Electrical Powerline Installers & Repairers	22	25	3	1	4
Station Installers & Repairers, Telephone	8	9	1	0	1
All Other Electrical Mechs./Installers/Repairers	17	19	2	0	2
Gas Appliance Repairers	10	11	1	1	2
All Other Mechanics, Installers, & Repairers	72	80	8	3	11
All Construction Trades Workers	5	5	0	0	0
All Plant & System Operators	2	2	0	0	0
Truck Drivers, Heavy or Tractor Trailer	45	49	4	3	7
All Other Motor Vehicle Operators	111	123	12	8	20

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

YAVAPAI COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
All Transportation & Related Workers	1	1	0	0	0
All Transportation Moving Equip. Operators	3	3	0	0	0
All Material Moving Equipment Operators	5	5	0	0	0
All Helpers & Laborers	42	45	3	3	6
TOTAL OF ALL OCCUPATIONS	859	933	74	57	131

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Other Health Professionals,
  Paraprofessionals & Technicians
 Emergency Medical Technicians

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Clerical & Administrative Support
 Typists
 Customer Service Representatives, Utilities

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All First Line Managers/Supervisors -
  Maintenance/Production/Construction
 First Line Mgrs./Supers. - Transport. Operatives

All Other Electrical Mechs./Installers/Repairers
 Telephone & Cable TV Line Installers/Repairers

All Other Mechanics, Installers, & Repairers
 Maintenance Repairers, General Utility
 Mechanical Control & Valve Installers &
  Repairers

All Other Motor Vehicle Operators
 Truck Drivers, Light - Incl. Delivery & Route

All Helpers & Laborers
 Hand Packers & Packagers

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

YUMA COUNTY

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	34	35	1	0	1
Transportation, Communications, & Utilities Operations Managers	16	17	1	0	1
General Managers & Top Executives	9	9	0	0	0
All Other Managers & Administrators	9	9	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	76	80	4	3	7
All Financial Specialists	4	4	0	0	0
All Management Support Workers	5	5	0	0	0
All Engineers	11	11	0	0	0
All Engineering & Related Technicians	8	8	0	0	0
All Teachers & Instructors	5	5	0	1	1
Broadcast News Analysts	5	5	0	0	0
Announcers, Radio & Television	28	32	4	2	6
All Other Professional, Paraprofessional, & Technical Workers	10	10	0	0	0
SALES & RELATED OCCUPATIONS	64	70	6	7	13
Travel Agents	42	46	4	5	9
Sales Agents, Advertising	15	17	2	2	4
All Sales Representatives & Salespersons, Service	3	3	0	0	0
All Other Sales & Related Workers	4	4	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	170	180	10	13	23
First Line Supers.-Clerical & Admin. Support	11	11	0	0	0
Secretaries	16	16	0	1	1
Customer Service Representatives, Utilities	39	45	6	7	13
Bookkeeping, Accounting, & Auditing Clerks	24	25	1	1	2
General Office Clerks	23	24	1	2	3
All Office Machine Operators	5	5	0	0	0
Central Office Operators	7	8	1	1	0
All Other Communication Equipment Operators	4	4	0	0	2
Dispatchers - Exc. Police, Fire, & Ambulance	8	8	0	0	0
Meter Readers, Utilities	6	7	1	0	1
Stock Clerks - Stockroom, Warehouse, or Yard	11	11	0	0	0
All Other Material Recording/Scheduling/Dist.	7	7	0	0	0
All Other Clerical & Administrative Support	9	9	0	1	1
SERVICE OCCUPATIONS	23	24	1	2	3
All Service Supervisors & Managers	1	1	0	0	0
All Cleaning/Building Service, Exc. Private House	12	13	1	1	2
All Other Service Workers	10	10	0	1	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	430	468	38	15	53
First Line Managers/Supervisors - Mechanics/Installers/Repairers	24	26	2	2	4
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	3	3	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	12	13	1	0	1
Aircraft Mechanics	17	18	1	0	1
Central Office & PBX Installers & Repairers	6	7	1	0	1
All Other Communication Equipment Mechanics/Installers/Repairers	14	15	1	0	1
Electrical Powerline Installers & Repairers	29	34	5	1	6
Station Installers & Repairers, Telephone	8	9	1	0	1
All Other Electrical Mechs./Installers/Repairers	28	31	3	1	4
Electric Meter Installers & Repairers	6	7	1	0	1
All Other Mechanics, Installers, & Repairers	24	26	2	0	2
All Construction & Extraction Workers, Exc. Helpers	4	4	0	0	0
All Precision Workers	7	7	0	0	0
All Hand Workers	1	1	0	0	0
All Plant & System Operators	17	17	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

YUMA COUNTY (CONTD.)

	ESTIMATED MAY 1985 EMPLOYMENT	PROJECTED MAY 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Truck Drivers, Heavy or Tractor Trailer	78	86	8	5	13
All Other Motor Vehicle Operators	19	20	1	1	2
All Transportation & Related Workers	26	28	2	1	3
All Transportation & Moving Equip. Operators	14	15	1	0	1
Mechanic & Repairer Helpers	17	19	2	1	3
All Freight & Material Movers, Hand	14	15	1	0	1
All Other Helpers & Laborers	62	67	5	3	8
TOTAL OF ALL OCCUPATIONS	797	857	60	40	100

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL

All Engineers
Electrical & Electronic Engineers

All Engineering & Related Technicians
Estimators & Drafters, Utilities

All Teachers & Instructors
Teachers & Instructors, Voc. Ed. & Training

All Other Professional, Paraprofessional, & Technical Workers
Broadcast Technicians

CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS

All Other Material Recording/Scheduling/Dist.
Traffic, Shipping, & Receiving Clerks

PRODUCTION, MAINTENANCE, & MATERIAL HANDLING

All Other Electrical Mechs./Installers/Repairers
Telephone & Cable TV Line Installers/Repairers

All Other Mechanics, Installers, & Repairers
Machinery Maintenance Mechanics, Water & Power Generation Plants

All Plant & System Operators
Auxiliary Equipment Operators, Power
Power Reactor Operators

All Other Motor Vehicle Operators
Truck Drivers, Light - Incl. Delivery & Route

All Transportation & Related Workers
Aircraft Pilots & Flight Engineers

All Transportation & Moving Equip. Operators
Industrial Truck & Tractor Operators
Operating Engineers

All Freight & Material Movers, Hand
Refuse Collectors

METHODOLOGY

Sample Selection and Response Rates

Occupational estimates for the transportation, communications, and public utilities industry were developed from a survey of employers throughout the state. Employers who were asked to participate in the survey were selected from a master employer file of firms doing business in Arizona, using standardized sampling techniques. A sample of establishments employing 4-249 employees, and all establishments having 250 or more employees were surveyed. The entire sample was composed of 758 firms with a usable response rate of 91 percent. Firms responding represented 95 percent of the industry's employment in Arizona.

Employment Projections

Projecting occupational employment and demand is accomplished in two basic stages. First, total industry employment is estimated for the target years. These forecasts are computed using an econometric model driven by forecast values for variables such as national unemployment, interest rates, and industrial production. Staffing pattern ratios, as determined by the OES survey, are then applied to the industry employment projections--representing the second stage of the forecasting methodology.

Job Openings

"Total Job Openings" represents the sum of openings resulting from expansion and replacement during the projection period. Expansion is the numerical difference in employment for a given period. Replacement represents job openings that transpire due to separations from the labor force, i.e., death, retirement, and pregnancy. The "Total Job Openings" column does not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

Limitations of the Data

The projection method does not account for cyclical, seasonal, and such external factors as sudden discontinuations or initiations of major government programs.

Employment forecasts for the nonmetropolitan counties are based on growth rates developed for the "balance of state" (Arizona less Maricopa and Pima counties) rather than for individual counties.

LABOR MARKET INFORMATION PUBLICATIONS
OCCUPATIONAL EMPLOYMENT STATISTICS, 733A
BOX 6123
PHOENIX, ARIZONA 85005

OFFICIAL BUSINESS
Penalty for Private Use
$300

U.S. MAIL

POSTAGE AND FEES PAID
EMPLOYMENT SECURITY MAIL
LAB 441

FIRST CLASS MAIL

CONGRESSIONAL INFORMATION SVC
4520 EAST WEST HWY
BETHESDA, MD 20814

Reproduction of this publication for commercial use is prohibited by Section 39-121 Arizona Revised Statutes. Permission to reprint this publication, or parts of it, for nonprofit use may be granted upon written request, if credit will be given citing this publication and the Arizona Department of Economic Security.

This periodical is issued and printed by the Arizona Department of Economic Security as authorized by the Wagner-Peyser Act and is paid out of federal funds granted by the U.S. Department of Labor.

If you do NOT desire to continue receiving this publication, please check here ☐ and return this cover to address above.

If your address has changed, please indicate change and return this cover to the address above.

DES **Arizona Department of Economic Security**
— Moving People Toward Self-Sufficiency

PAL-444 (3-88)

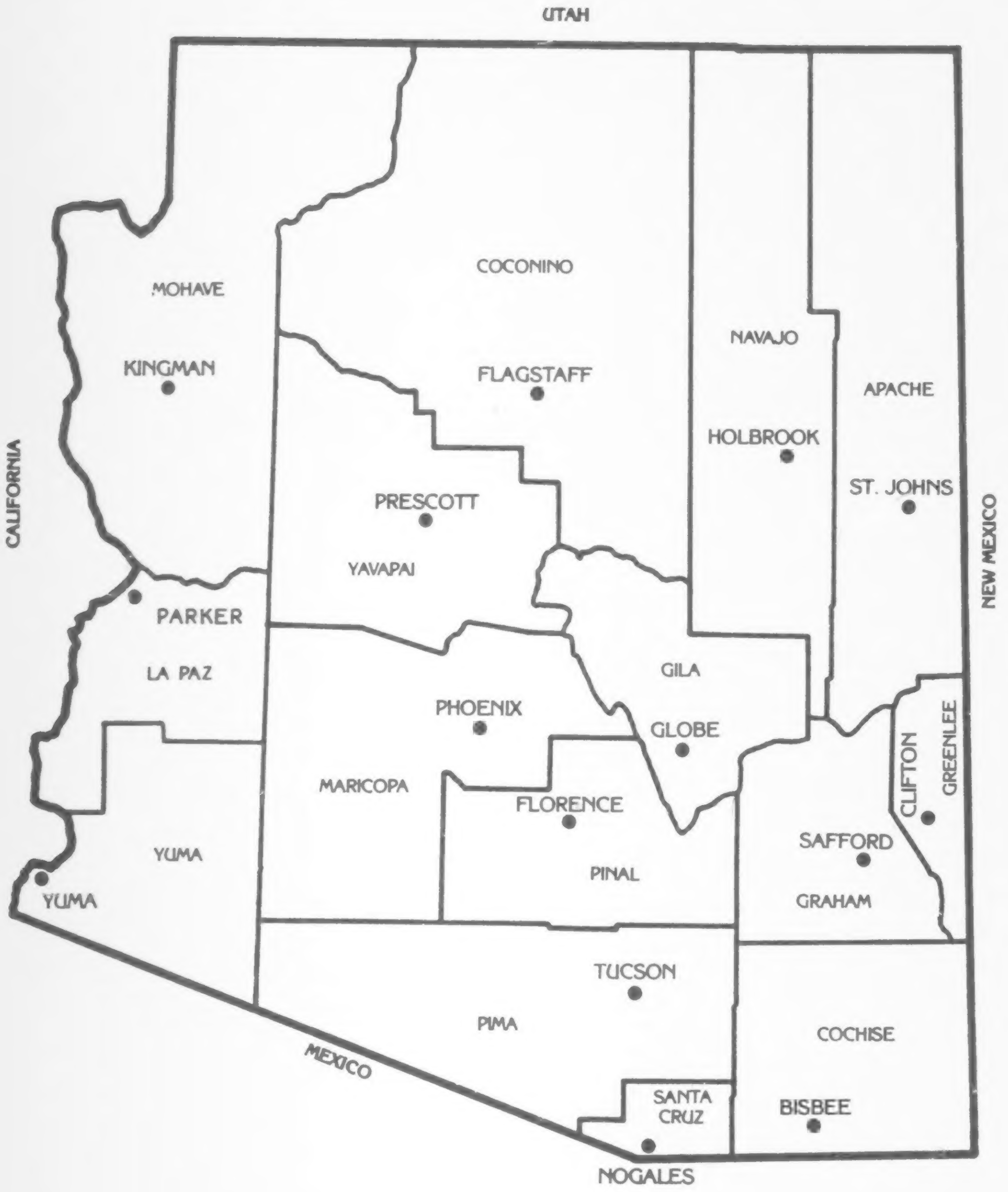
S0465-2.26F

Arizona Occupational Profile

A Labor Market Information Publication
of the Department of Economic Security

Educational Services

Map of Arizona


UTAH
CALIFORNIA
NEW MEXICO
MEXICO
MOHAVE
KINGMAN
COCONINO
FLAGSTAFF
NAVAJO
HOLBROOK
APACHE
ST. JOHNS
PRESCOTT
YAVAPAI
PARKER
LA PAZ
GILA
GLOBE
PHOENIX
MARICOPA
FLORENCE
PINAL
CLIFTON
GREENLEE
SAFFORD
GRAHAM
YUMA
YUMA
TUCSON
PIMA
COCHISE
SANTA CRUZ
BISBEE
NOGALES

OCCUPATIONAL PROFILE

The value of current occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Occupational Employment Statistics (OES) Program--a cooperative effort between Arizona and the U.S. Bureau of Labor Statistics.

This Occupational Profile is one in a series of publications produced from information developed by the Occupational Employment Statistics survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey which requires the cooperation of the Arizona business community is used to collect employment data by county for over 700 occupations in Arizona. Current employment in the various occupations is then determined and an occupational outlook is formulated. The Occupational Profiles contain the survey findings and examine, individually, the following industries of Arizona:

Construction
Educational Services
Finance, Insurance, and Real Estate
Government
Hospitals
Lodging
Manufacturing
Mining
Services
Trade
Transportation, Communications, and Public Utilities

Questions, requests, and comments should be direted to:

Arizona Department of Economic Security
Labor Market Information Publications, 733A
P.O. Box 6123
Phoenix, Arizona 85005-6123

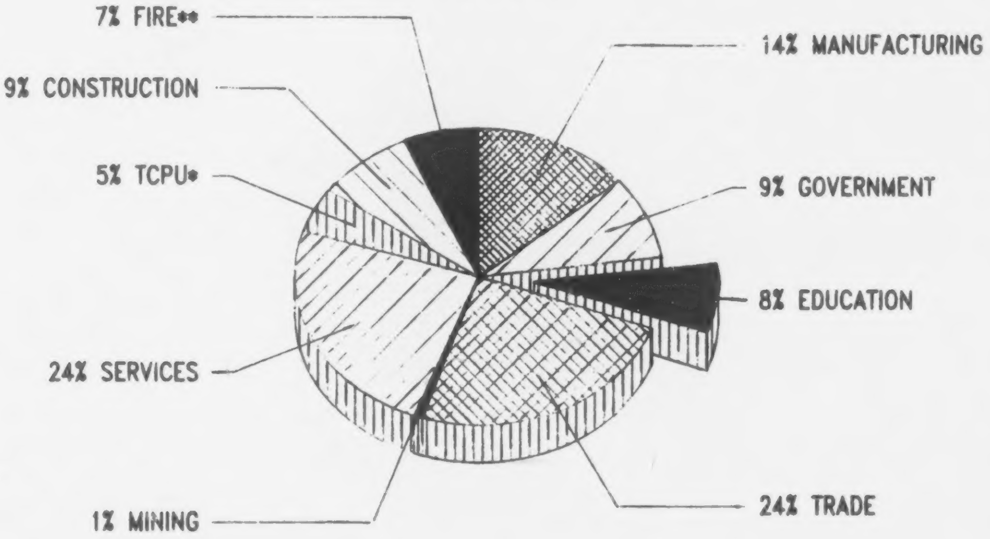
INDUSTRY INFORMATION

The educational services industry consists of establishments providing academic or technical instruction including correspondence schools, commercial and trade schools, and libraries. This study covers establishments found under industry-group code 82 of the Standard Industrial Classification (SIC) Manual including elementary and secondary schools; colleges, universities, and technical schools; libraries and information centers; and correspondence and vocational schools. Not included are beauty schools, barber colleges, and establishments engaged in providing job training and vocational rehabilitation services.

INDUSTRY CHARACTERISTICS

Providers of educational services employ nearly one of every ten workers in Arizona, making this industry the sixth-largest employer in the state--trailing trade, services, manufacturing, construction, and government. Nearly 93 percent of the almost 103,000 educational services workers are government employees representing about one-half of the government's total work force in Arizona. The remaining 7 percent of educational services workers are employed by private schools.

ARIZONA NONAGRICULTURAL EMPLOYMENT
1986

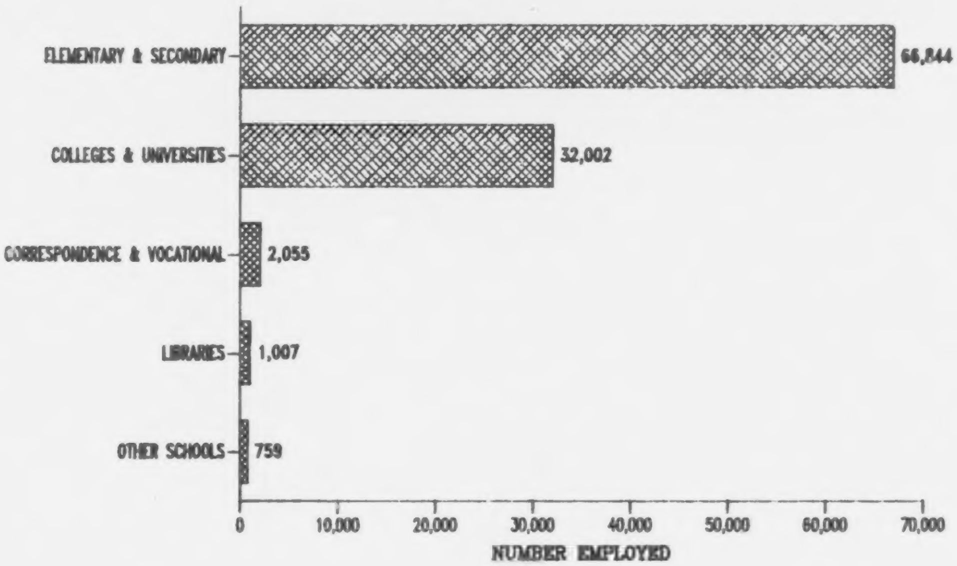


* TCPU = TRANSPORTATION, COMMUNICATIONS, AND PUBLIC UTILITIES
**FIRE = FINANCE, INSURANCE, AND REAL ESTATE

Elementary and secondary schools employ the largest number of workers in educational services. Of the nearly 103,000 educational service workers in 1986, elementary and secondary schools employed 67,000 or 65 percent, colleges and universities employed 32,000 or 31 percent, and the remaining 4 percent worked for providers of miscellaneous educational services, i.e., libraries, vocational schools, and correspondence schools.

About 91 percent of those working in colleges and universities and 97 percent in elementary and secondary schools are employed by state and local governments. In miscellaneous educational services, however, most of the employees work for private schools. Predominant in this category are the state's 100 vocational schools, which employed 2,050 in 1986. These schools, primarily engaged in offering specialized trade or commercial courses rather than academic courses, included three correspondence schools, seven data processing schools, and 13 business and secretarial schools.

ARIZONA EMPLOYMENT IN EDUCATIONAL SERVICES
1986



INDUSTRY TRENDS

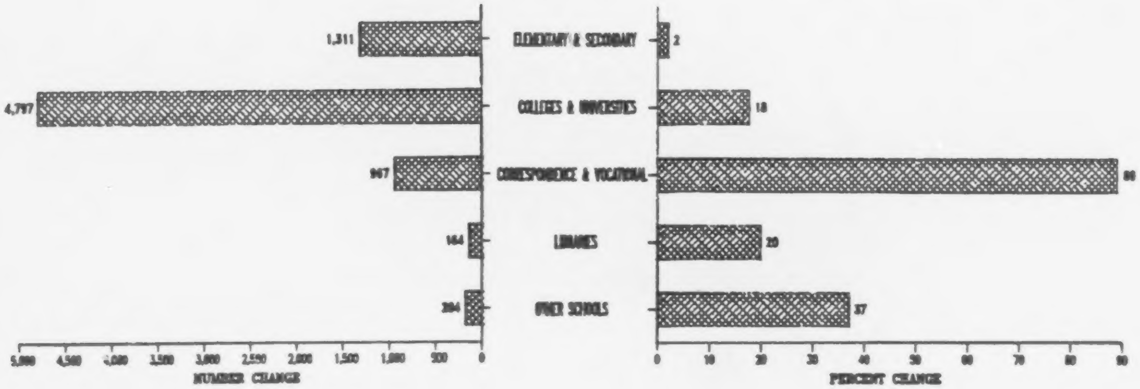
Demographics, for the most part, are the driving force behind the demand for educational services. Arizona, with its unique population growth, has experienced a sizeable employment increase in educational services, unlike the rest of the nation. In fact, when the nation's school enrollment was declining during the 1970s, Arizona's educational services employment was increasing faster than the average for all industries in the state. Since 1980, however, the expansion of educational services in Arizona has continued at a more moderate rate. Nevertheless, the growth of elementary and secondary schools, colleges and universities, and vocational and technical schools continues to reflect the age and geographic distribution of the population.

Elementary and secondary schools have provided 18 percent of all new jobs in educational services since 1980. Most of these job opportunities were in the nonmetropolitan counties, led by expansion in Apache and Navajo. In Maricopa County, employment in elementary and secondary schools has remained stable, whereas Pima County registered gains of 2.6 percent and the "balance of state" had a 7 percent increase, adding 1,200 new jobs.

Colleges and universities in Arizona provided 64 percent or nearly 4,800 new jobs in educational services between 1980 and 1986. While most of the jobs in colleges and universities materialized in Maricopa and Pima counties, the "balance of state" contributed one out of every ten new jobs during the period.

EMPLOYMENT CHANGE IN EDUCATIONAL SERVICES

1980 - 1986



Employment increased by nearly 90 percent in correspondence and vocational schools between 1980 and 1986. Leading this expansion were business and secretarial schools in Maricopa County where employment more than quadrupled in the six years totaling 427 by 1986.

Educational services employment in Arizona will continue to experience modest gains through the end of the decade. Compared to an increase of 24 percent for all industries, educational services is expected to expand 12 percent between 1985 and 1989. Along with an increasing population, a trend toward lower pupil-to-teacher ratios will likely continue to promote steady employment growth in elementary and secondary schools with annual increases expected to average 3 percent through 1989.

In the near term, elementary schools will increase payrolls faster than secondary schools, mainly to accommodate children of the baby boomers. In the mid-1990s, however, secondary schools will expand more rapidly to meet the needs of the advancing wave of students. Additionally, the trend toward higher educational achievement is expected to continue bolstering employment in Arizona's colleges and universities. The rising costs of attending universities, however, will likely constrain employment expansion there, whereas growing enrollments in community colleges and technical schools will prompt employment increases at these institutions.

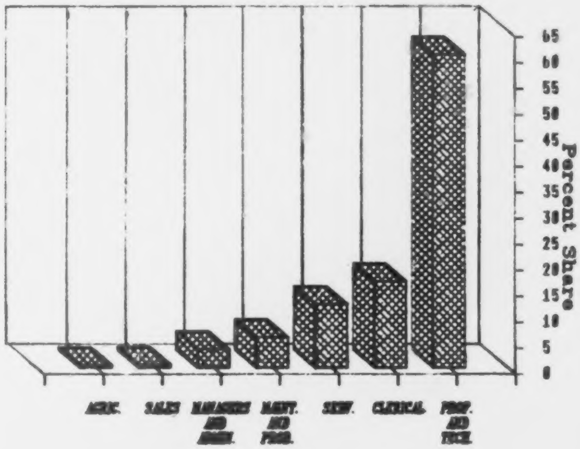
……

OCCUPATIONAL INFORMATION

Workers in educational services are employed in activities that require a variety of occupational skills. Along with teaching professionals is a mix of accountants, registered nurses, computer programmers, carpenters, and other occupations not often associated with schools. Support services in the areas of administration, maintenance, food services, and transportation are required by nearly all schools.

Professional and technical workers account for more than 60 percent of the employment in educational services. Comprising the bulk of these workers are nearly 55,000 teachers and instructors who account for over half of the industry's total employment. Also predominant in this category are 965 vocational and educational counselors, 833 librarians, and 689 teacher aides.

MAJOR OCCUPATIONAL CATEGORIES
EDUCATIONAL SERVICES



Clerical workers constitute the second largest occupational group with employment dominated by 6,402 teacher aides and educational assistants, 4,406 secretaries, and 1,766 general office clerks. Service workers who provide cleaning, food, and protection services round out the industry's three largest occupational categories. Leading in this category are 4,686 janitors, cleaners, and housekeeping personnel, followed by 1,552 lunchroom and cafeteria attendants, and 1,100 food preparation workers.

In Arizona, employment in educational services is expected to expand by over 12,000 between 1985 and 1989. In addition, 17,076 openings will be created as a result of workers leaving the labor force. Positions for elementary and secondary teachers will account for nearly one-third of these openings with openings for elementary school teachers outpacing those for secondary school more than two to one. While many openings for elementary school teachers will reflect enrollment increases, the majority will result from the need to replace teachers who leave the labor force (separations) or leave one job to take another (turnover).

OCCUPATIONS WITH THE GREATEST EMPLOYMENT IN ARIZONA'S EDUCATIONAL SERVICES INDUSTRY

	EMPLOYMENT April 1985	JOB OPENINGS* 1985-1989
Teachers, Elementary School	19,727	6,356
Teachers, Secondary School	10,851	2,717
Teacher Aides and Educational Assistants, Clerical	6,402	2,057
Teachers and Instructors, Vocational Education and Training	5,392	1,434
Janitors and Cleaners, Excluding Maids and Housekeeping	4,686	1,258
Secretaries	4,406	1,596
Teachers, Special Education	3,840	1,228
Graduate Assistants, Teaching	3,299	684
All Other Postsecondary Teachers	2,811	692
Bus Drivers, School	2,624	610
Education Administrators	2,414	626
All Other Teachers and Instructors	1,874	607
General Office Clerks	1,766	584
Counter Attendants--Lunchroom, Coffee Shop, and Cafeteria	1,552	533
Food Preparation Workers	1,100	330
Teachers, Preschool and Kindergarten	990	307
Vocational and Educational Counselors	965	232
Life Science Teachers	965	179
All Other Protective Service Workers	954	221
All Other Paraprofessionals and Technicians	933	215
Social Science Teachers	915	169
First Line Supervisors and Managers--Service	888	271
All Other Clerical and Administrative Support Workers	862	100
All Other Service Workers	846	264
Librarians, Professional	833	277
Maintenance Repairers, General Utility	826	155
Bookkeeping, Accounting, and Auditing Clerks	825	249
Helpers, Laborers, and Material Movers, Hand	796	155
All Other Management Support Workers	790	159
Library Assistants and Bookmobile Drivers	785	160
Cooks, Institution or Cafeteria	748	208
Registered Nurses	723	232
Teacher Aides, Paraprofessional	689	145
English and Foreign Language Teachers	688	155
Instructors, Nonvocational Education	648	129

* Does not include turnover.

The greatest relative demand for elementary and secondary teachers will be in nonmetropolitan counties, but over one-half of the job opportunities for these teachers will be in Maricopa County.

Nationally, employment of secondary school teachers is expected to decline throughout the 1980s, but in-migration will ensure at least moderate growth in Arizona. Secondary school teachers are increasingly being hired by elementary schools in the state to teach upper grade levels. Demand for secondary school teachers also varies by field of specialization with those in scientific and technical fields generally facing better employment prospects. Demand is further heightened when a number of secondary school teachers are lured to private industry by more lucrative salaries.

Employment of teachers in colleges and universities is expected to decline nationwide through the mid-1990s as enrollments decline. In Arizona, however, the traditional college-age population is projected to increase with only slight declines in the early 1990s. In addition, growing enrollments at community colleges, which often emphasize curriculums for working adults, are increasing the employment opportunities for teachers at these institutions.

As in most industries, clerical and administrative support occupations will account for a large number of job openings. In this category, demand for teacher aides and educational assistants, secretaries, and general office clerks will remain high. Service occupations employ 13,251 and represent just over 12 percent of all employment in educational services. Janitors and cleaners are the most prominent in this category and will account for 1,439 openings between 1985 and 1989. Many opportunities also will be available for counter attendants, food preparation workers, cooks, and service supervisors.

Maintenance and production occupations will provide over 1,200 job opportunities between 1985 and 1989, led by 610 openings for bus drivers. Other opportunities will be available for helpers, laborers, material handlers, and maintenance repairers.

Planning, directing, and organizing educational services activities are 3,860 managers and administrators. Two-thirds are education administrators, with the balance divided among various administrative specialties. Although moderate employment growth is expected in these positions, a large number of teachers and others with graduate degrees in education or educational administration will make competition keen.

••

OCCUPATIONAL STRUCTURE

The following tables provide employment estimates and projected employment and job openings for the counties and the state.

When using the data, please note the following:

1. Educational services employment growth in each of the nonmetropolitan counties reflects the rate calculated for the "balance of state" (Arizona less Maricopa and Pima counties).

2. The data reflect full- and part-time wage and salary employment only, and do not include self-employed or unpaid family workers.

3. Total job openings represent the number of openings due to growth of the industry and separations from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

4. The projection technique does not possess the degree of accuracy that may be implied by unrounded numbers.

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

ARIZONA

	ESTIMATED APRIL 1985 EMPLOYMENT	PERCENT OF APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	3,860	3.6	4,292	893
Financial Managers	153	.2	170	28
Personnel, Training, & Labor Relations Mgrs.	84	.1	92	16
Purchasing Managers	15	.0	16	1
Marketing, Advertising, & Public Rel. Mgrs.	49	.1	52	5
Administrative Services Managers	62	.1	67	8
Engineering, Math, & Natural Sciences Managers	23	.0	25	2
Education Administrators	2,414	2.2	2,693	626
Construction Managers	40	.0	42	2
Transportation, Communications, & Utilities Operations Managers	81	.1	88	8
Food Service & Lodging Managers	98	.1	108	19
General Managers & Top Executives	477	.4	531	98
All Other Managers & Administrators	364	.3	408	80
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	64,912	60.4	72,251	17,521
Management Support Occupations	1,377	1.3	1,508	263
Accountants & Auditors	189	.2	207	35
Budget Analysts	29	.0	32	4
All Other Financial Specialists	106	.1	115	20
Purchasing Agents, Exc. Wholesale, Retail, & Farm	101	.1	112	18
Personnel, Training, & Labor Rel. Specialists	156	.2	171	26
Construction & Building Inspectors	6	.0	7	1
All Other Management Support Workers	790	.7	864	159
Engineers & Related Occupations	230	.2	252	36
Engineers	86	.1	93	11
Engineering & Related Techs.	144	.1	159	25
Natural Scientists & Related Workers	944	.9	1,014	144
Physical Scientists	315	.3	338	40
Life Scientists	205	.2	220	37
Physical & Life Science Techs.	424	.4	456	67
Computer, Math, Research, & Related Occupations	443	.4	485	56
Systems Analysts, Electronic Data Processing	185	.2	202	21
Computer Programmers	202	.2	222	27
Computer Programmer Aides	52	.0	57	8
Mathematical Scientists	4	.0	4	0
Social, Recreational, & Related Occupations	690	.6	758	118
Urban & Regional Planners	4	.0	4	0
Psychologists	404	.4	449	69
All Other Social Scientists	171	.1	183	23
Social Workers, Exc. Medical & Psychiatric	111	.1	122	26
Teachers, Librarians, & Related Occupations	58,541	54.4	65,283	16,233
Nursing Instructors	301	.3	335	60
Graduate Assistants, Teaching	3,299	3.1	3,626	684
Life Science Teachers	965	.9	1,048	179
Chemistry Teachers	166	.2	185	32
Physics Teachers	122	.1	135	23
All Other Physical Science Teachers	141	.1	156	26
Social Science Teachers	915	.9	1,017	169
Health Specialties Teachers	214	.2	236	38
English & Foreign Language Teachers	688	.6	769	155
Art, Drama, & Music Teachers	522	.5	584	133
Engineering Teachers	729	.7	812	230
Mathematical Science Teachers	346	.3	387	63
Computer Science Teachers	217	.2	242	31
All Other Postsecondary Teachers	2,811	2.6	3,166	692
Teachers, Preschool & Kindergarten	990	.9	1,104	307

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

ARIZONA (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PERCENT OF APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Teachers, Elementary School	19,727	18.3	22,077	6,356
Teachers, Secondary School	10,851	10.1	12,140	2,717
Teachers, Special Education	3,840	3.6	4,299	1,228
Teachers & Instructors, Voc. Ed. & Training	5,392	5.0	5,972	1,434
Instructors, Nonvocational Education	648	.6	714	129
Instructors & Coaches, Sports & Physical Trng.	441	.4	487	85
Farm & Home Management Advisors	71	.1	76	13
All Other Teachers & Instructors	1,874	1.7	2,073	607
Librarians, Professional	833	.8	926	277
Technical Assistants, Library	241	.2	264	77
Audio-Visual Specialists	118	.1	129	26
Vocational & Educational Counselors	965	.9	1,077	232
Instructional Coordinators	425	.4	474	85
Teacher Aides, Paraprofessional	689	.6	773	145
Health Practitioners, Technicians, & Related	2,009	1.9	2,202	537
Speech Pathologists & Audiologists	250	.2	275	59
Registered Nurses	723	.7	806	232
Licensed Practical Nurses	91	.1	100	30
Dietitians & Nutritionists	12	.0	13	1
All Other Health Professionals, Paraprofessionals, & Technicians	933	.9	1,008	215
Writers, Artists, Athletes, & Related	678	.6	749	134
Writers & Editors	75	.1	81	16
Athletes, Coaches, Umpires, & Related Workers	144	.1	163	30
All Other Professional, Paraprofessional, & Technical Workers	459	.4	505	88
SALES & RELATED OCCUPATIONS	673	.6	742	168
Other Sales Representatives, Exc. Retail	74	.0	82	17
Salespersons, Retail	97	.1	105	14
Cashiers	341	.3	376	103
All Other Sales & Related Workers	161	.1	179	34
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	17,959	16.7	20,018	5,489
First Line Supers. & Manager/Supervisors	486	.5	534	104
Industry Specific Clerical & Admin. Support	7,187	6.7	8,083	2,217
Library Assistants & Bookmobile Drivers	785	.7	874	160
Teacher Aides & Ed. Assistants, Clerical	6,402	6.0	7,209	2,057
General Office Occupations	8,327	7.7	9,245	2,853
Secretaries	4,406	4.1	4,901	1,596
Stenographers	130	.1	140	39
Receptionists & Information Clerks	147	.1	163	42
Typists	588	.5	648	218
Typists, Word Processing Equipment	139	.1	153	32
Personnel Clerks, Exc. Payroll & Timekeeping	81	.1	89	27
Correspondence Clerks	6	.0	6	0
File Clerks	76	.1	84	26
Bookkeeping, Accounting, & Auditing Clerks	825	.8	916	249
Payroll & Timekeeping Clerks	112	.1	126	27
Billing, Cost & Rate Clerks	51	.1	55	13
General Office Clerks	1,766	1.6	1,964	584
Office Machine Operators	348	.3	378	58
Billing, Posting, & Calculating Machine Opers.	3	.0	3	0
Duplicating Machine Operators	30	.0	32	6
Computer Operators, Exc. Peripheral Equipment	132	.1	144	21
Peripheral EDP Equipment Operators	15	.0	17	4
Data Entry Keyers, Exc. Composing	160	.2	174	26
All Other Office Machine Operators	8	.0	8	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

ARIZONA (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PERCENT OF APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Communications & Message Distribution	180	.2	198	52
Switchboard Operators	130	.1	143	41
Mail Clerks, Exc. Mail Machine Operators & Postal Service	50	.1	55	11
Material Distribution & Recording Occupations	569	.5	628	105
Stock Clerks - Stockroom, Warehouse, or Yard	265	.2	295	50
Traffic, Shipping, & Receiving Clerks	116	.1	126	18
All Other Material Recording/Scheduling/Dist.	188	.2	207	37
All Other Clerical & Administrative Support	862	.8	952	100
SERVICE OCCUPATIONS	13,251	12.3	14,761	3,817
First Line Supers. & Mgrs./Supers. - Service	888	.8	986	271
Protective Service Occupations	1,882	1.7	2,078	552
Crossing Guards	525	.5	578	274
Guards & Watch Guards	403	.4	450	57
All Other Protective Service Workers	954	.9	1,050	221
Food & Beverage Service Occupations	4,245	3.9	4,740	1,224
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	614	.6	675	88
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	1,552	1.4	1,734	533
Cooks, Institution or Cafeteria	748	.7	845	208
Food Preparation Workers	1,100	1.0	1,230	330
All Other Food Service Workers	231	.2	256	65
Health Services and Related Occupations	125	.1	137	34
Nursing Aides, Orderlies, & Attendants	125	.1	137	34
Cleaning & Building Services Occupations	4,761	4.4	5,323	1,278
Maids & Housekeeping Cleaners	21	.0	23	6
Janitors & Cleaners, Exc. Maids & Housekeeping	4,686	4.3	5,239	1,258
All Other Cleaning/Building Service, Exc. Private House	54	.1	61	14
Personal Service Occupations	504	.5	560	194
Child Care Workers	504	.5	560	194
All Other Service Occupations	846	.8	937	264
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	584	.5	649	144
Gardeners & Groundskeepers, Exc. Farm	502	.4	560	128
All Other Agri., Forestry, Fishing, & Related	82	.1	89	16
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	6,298	5.9	7,025	1,245
First Line Supervisors & Managers - Prod. & Rel.	334	.3	368	62
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	183	.2	201	34
First Line Managers/Supervisors - Construction Trades & Extraction Workers	38	.0	42	7
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	113	.1	125	21
Inspectors & Related Occupations	5	.0	5	0
Mechanics, Installers, & Repairers	1,523	1.4	1,703	260
Maintenance Repairers, General Utility	826	.7	934	155
Automotive Mechanics	89	.1	98	12
Bus & Truck Mechs., & Diesel Eng. Specialists	205	.2	230	31
All Other Mechanics, Installers, & Repairers	403	.4	441	62

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

ARIZONA (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PERCENT OF APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	TOTAL JOB OPENINGS 1985-1989
Construction Trades & Extraction	542	.5	598	91
Carpenters	136	.1	150	24
Electricians	131	.1	145	20
Painters & Paperhangers - Construction & Maintenance	114	.1	125	20
Plumbers, Pipefitters, & Steamfitters	94	.1	103	14
All Other Construction & Extraction Workers, Exc. Helpers	67	.1	75	13
Precision Production Occupations	117	.1	128	17
Machine Setters, Operatives, & Tenders	70	.1	77	9
Hand Working, Inc. Assemblers & Fabricators	39	.0	43	6
Plant & System Occupations	55	.1	61	10
Transportation & Material Moving	2,817	2.6	3,161	635
Truck Drivers, Light - Incl. Delivery & Route	98	.1	106	11
Bus Drivers, School	2,624	2.4	2,950	610
All Other Transportation & Related Workers	64	.1	71	11
Industrial Truck & Tractor Operators	20	.0	22	2
All Other Material Moving Equipment Operators	11	.0	12	1
Helpers, Laborers, & Material Movers, Hand	796	.7	881	155
TOTAL OF ALL OCCUPATIONS	107,537	100.0	119,738	29,277

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

APACHE COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	152	175	23	15	38
Financial Managers	5	5	0	0	0
Personnel, Training, & Labor Relations Mgrs.	1	1	0	0	0
Administrative Services Managers	4	5	1	0	1
Engineering, Math, & Natural Sciences Managers	6	7	1	0	1
Education Administrators	91	105	14	13	27
Construction Managers	1	1	0	0	0
Transportation, Communications, & Utilities Operations Managers	2	2	0	0	0
Food Service & Lodging Managers	8	10	2	0	2
General Managers & Top Executives	12	13	1	1	2
All Other Managers & Administrators	22	26	4	1	5
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,265	1,463	198	186	384
Accountants & Auditors	7	8	1	0	1
All Other Financial Specialists	2	2	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	2	2	0	0	0
All Other Management Support Workers	7	8	1	0	1
Systems Analysts, Electronic Data Processing	2	2	0	0	0
Computer Programmers	3	3	0	0	0
Psychologists	8	9	1	0	1
Social Workers, Exc. Medical & Psychiatric	6	7	1	0	1
Nursing Instructors	5	6	1	0	1
Graduate Assistants, Teaching	21	24	3	2	5
Life Science Teachers	8	9	1	0	1
Social Science Teachers	10	12	2	0	2
Health Specialties Teachers	4	5	1	0	1
English & Foreign Language Teachers	7	8	1	0	1
Mathematical Science Teachers	5	6	1	0	1
Computer Science Teachers	1	1	0	0	0
All Other Postsecondary Teachers	7	8	1	0	1
Teachers, Preschool & Kindergarten	17	20	3	3	6
Teachers, Elementary School	455	527	72	93	165
Teachers, Secondary School	396	459	63	52	115
Teachers, Special Education	78	90	12	15	27
Teachers & Instructors, Voc. Ed. & Training	17	20	3	2	5
Instructors, Nonvocational Education	20	23	3	2	5
Instructors & Coaches, Sports & Physical Trng.	5	5	0	0	0
Librarians, Professional	22	25	3	4	7
Technical Assistants, Library	5	6	1	1	2
Audio-Visual Specialists	1	1	0	0	0
Vocational & Educational Counselors	45	52	7	5	12
Instructional Coordinators	26	30	4	1	5
Teacher Aides, Paraprofessional	2	2	0	0	0
Speech Pathologists & Audiologists	3	3	0	0	0
Registered Nurses	11	13	2	2	4
Licensed Practical Nurses	4	5	1	1	2
Dietitians & Nutritionists	4	5	1	0	1
All Other Health Professionals, Paraprofessionals, & Technicians	5	6	1	0	1
Athletes, Coaches, Umpires, & Related Workers	29	34	5	2	7
All Other Professional, Paraprofessional, & Technical Workers	14	16	2	1	3
SALES & RELATED OCCUPATIONS	7	7	0	0	0
Salespersons, Retail	4	4	0	0	0
Cashiers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	618	714	96	113	209
First Line Supers.-Clerical & Admin. Support	10	11	1	0	1
Library Assistants & Bookmobile Drivers	18	21	3	1	4

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

APACHE COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Teacher Aides & Ed. Assistants, Clerical	335	388	53	66	119
Secretaries	110	127	17	27	44
Receptionists & Information Clerks	3	3	0	0	0
Typists	4	5	1	1	2
Personnel Clerks, Exc. Payroll & Timekeeping	2	2	0	0	0
File Clerks	2	2	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	39	45	6	7	13
Payroll & Timekeeping Clerks	7	8	1	1	2
General Office Clerks	41	47	6	8	14
Duplicating Machine Operators	1	1	0	0	0
Computer Operators, Exc. Peripheral Equipment	3	3	0	0	0
Switchboard Operators	9	11	2	2	4
Stock Clerks - Stockroom, Warehouse, or Yard	4	5	1	0	1
Traffic, Shipping, & Receiving Clerks	1	1	0	0	0
All Other Material Recording/Scheduling/Dist.	9	10	1	0	1
All Other Clerical & Administrative Support	20	24	4	0	4
SERVICE OCCUPATIONS	430	499	69	67	136
First Line Supers. & Mgrs./Supers. - Service	13	15	2	2	4
Guards & Watch Guards	22	26	4	0	4
All Other Protective Service Workers	6	7	1	0	1
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	22	26	4	4	8
Cooks, Institution or Cafeteria	89	103	14	14	28
Food Preparation Workers	84	97	13	15	28
All Other Food Service Workers	4	4	0	0	0
Nursing Aides, Orderlies, & Attendants	6	7	1	1	2
Janitors & Cleaners, Exc. Maids & Housekeeping	133	154	21	20	41
Child Care Workers	18	21	3	5	8
All Other Service Workers	33	39	6	6	12
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	16	18	2	2	4
Gardeners & Groundskeepers, Exc. Farm	14	16	2	2	4
All Other Agri., Forestry, Fishing, & Related	2	2	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	225	259	34	20	54
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	7	8	1	0	1
First Line Managers/Supervisors - Construction Trades & Extraction Workers	1	1	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	2	2	0	0	0
Maintenance Repairers, General Utility	31	36	5	2	7
Bus & Truck Mechs., & Diesel Eng. Specialists	6	7	1	0	1
All Other Mechanics, Installers, & Repairers	1	1	0	0	0
Carpenters	2	2	0	0	0
Electricians	2	2	0	0	0
Plumbers, Pipefitters, & Steamfitters	2	2	0	0	0
Machine Setters, Operatives, & Tenders	7	8	1	0	1
Bus Drivers, School	152	176	24	17	41
Helpers, Laborers, & Material Movers, Hand	12	14	2	1	3
TOTAL OF ALL OCCUPATIONS	2,713	3,135	422	403	825

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

COCHISE COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	124	143	19	14	33
Financial Managers	4	5	1	0	1
Personnel, Training, & Labor Relations Mgrs.	2	2	0	0	0
Administrative Services Managers	3	3	0	0	0
Education Administrators	97	112	15	13	28
Transportation, Communications, & Utilities Operations Managers	1	1	0	0	0
Food Service & Lodging Managers	1	1	0	0	0
General Managers & Top Executives	12	14	2	1	3
All Other Managers & Administrators	4	5	1	0	1
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,810	2,094	284	282	566
Accountants & Auditors	6	6	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	2	2	0	0	0
Personnel, Training, & Labor Rel. Specialists	1	1	0	0	0
Systems Analysts, Electronic Data Processing	4	4	0	0	0
Computer Programmers	1	1	0	0	0
Computer Programmer Aides	1	1	0	0	0
Psychologists	12	14	2	0	2
All Other Social Scientists	1	1	0	0	0
Nursing Instructors	10	12	2	1	3
Chemistry Teachers	3	3	0	0	0
Physics Teachers	3	3	0	0	0
All Other Physical Science Teachers	6	7	1	0	1
Social Science Teachers	10	12	2	0	2
Health Specialties Teachers	10	12	2	0	2
English & Foreign Language Teachers	28	32	4	3	7
Art, Drama, & Music Teachers	4	5	1	0	1
Engineering Teachers	12	14	2	2	4
Mathematical Science Teachers	4	5	1	0	1
Computer Science Teachers	3	3	0	0	0
All Other Postsecondary Teachers	365	423	58	44	102
Teachers, Preschool & Kindergarten	49	57	8	10	18
Teachers, Elementary School	681	789	108	139	247
Teachers, Secondary School	293	339	46	39	85
Teachers, Special Education	94	109	15	19	34
Teachers & Instructors, Voc. Ed. & Training	19	22	3	3	6
Instructors & Coaches, Sports & Physical Trng.	21	24	3	2	5
Librarians, Professional	31	36	5	6	11
Audio-Visual Specialists	2	2	0	0	0
Vocational & Educational Counselors	33	38	5	3	8
Instructional Coordinators	10	12	2	1	3
Teacher Aides, Paraprofessional	43	50	7	4	11
Speech Pathologists & Audiologists	10	12	2	1	3
Registered Nurses	23	26	3	4	7
All Other Health Professionals, Paraprofessionals, & Technicians	3	3	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	12	14	2	1	3
SALES & RELATED OCCUPATIONS	9	10	1	1	2
Salespersons, Retail	1	1	0	0	0
Cashiers	8	9	1	1	2
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	464	532	68	89	157
First Line Supers.-Clerical & Admin. Support	2	2	0	0	0
Library Assistants & Bookmobile Drivers	14	17	3	1	4
Teacher Aides & Ed. Assistants, Clerical	200	232	32	39	71
Secretaries	145	168	23	36	59
Typists	22	25	3	6	9
Typists, Word Processing Equipment	1	1	0	0	0
Personnel Clerks, Exc. Payroll & Timekeeping	4	4	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

COCHISE COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Bookkeeping, Accounting, & Auditing Clerks	12	13	1	1	2
Payroll & Timekeeping Clerks	7	8	1	1	2
General Office Clerks	25	28	3	5	8
Duplicating Machine Operators	1	1	0	0	0
Computer Operators, Exc. Peripheral Equipment	5	5	0	0	0
Data Entry Keyers, Exc. Composing	2	2	0	0	0
Switchboard Operators	4	4	0	0	0
Mail Clerks, Exc. Mail Machine Operators & Postal Service	1	1	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	7	8	1	0	1
Traffic, Shipping, & Receiving Clerks	2	2	0	0	0
All Other Clerical & Administrative Support	10	11	1	0	1
SERVICE OCCUPATIONS	289	332	43	43	86
First Line Supers. & Mgrs./Supers. - Service	12	14	2	2	4
Crossing Guards	1	1	0	0	0
Guards & Watch Guards	20	23	3	0	3
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	20	23	3	4	7
Cooks, Institution or Cafeteria	41	47	6	6	12
Food Preparation Workers	55	63	8	10	18
All Other Food Service Workers	8	9	1	1	2
Janitors & Cleaners, Exc. Maids & Housekeeping	132	152	20	20	40
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	20	24	4	2	6
Gardeners & Groundskeepers, Exc. Farm	20	24	4	2	6
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	222	255	33	15	48
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	4	4	0	0	0
All First Line Managers/Supervisors - Maintenance/Production/Construction	12	14	2	1	3
Maintenance Repairers, General Utility	67	77	10	4	14
Automotive Mechanics	1	1	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	10	12	2	0	2
All Other Mechanics, Installers, & Repairers	9	10	1	0	1
Carpenters	2	2	0	0	0
Electricians	2	2	0	0	0
Painters & Paperhangers - Construction & Maintenance	2	2	0	0	0
Plumbers, Pipefitters, & Steamfitters	1	1	0	0	0
Machine Setters, Operatives, & Tenders	4	5	1	0	1
Truck Drivers, Light - Incl. Delivery & Route	2	2	0	0	0
Bus Drivers, School	95	110	15	10	25
All Other Transportation & Related Workers	1	1	0	0	0
Helpers, Laborers, & Material Movers, Hand	10	12	2	0	2
TOTAL OF ALL OCCUPATIONS	2,938	3,390	452	446	898

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

COCONINO COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	175	200	25	18	43
Financial Managers	7	8	1	0	1
Personnel, Training, & Labor Relations Mgrs.	1	1	0	0	0
Purchasing Managers	1	1	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	1	1	0	0	0
Administrative Services Managers	6	7	1	0	1
Engineering, Math, & Natural Sciences Manager.	6	7	1	0	1
Education Administrators	110	127	17	16	33
Construction Managers	3	3	0	0	0
Transportation, Communications, & Utilities Operations Managers	2	2	0	0	0
Food Service & Lodging Managers	3	3	0	0	0
General Managers & Top Executives	9	10	1	0	1
All Other Managers & Administrators	26	30	4	2	6
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	2,517	2,912	395	354	749
Accountants & Auditors	15	17	2	1	3
Budget Analysts	3	3	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	6	7	1	0	1
Personnel, Training, & Labor Rel. Specialists	5	6	1	0	1
All Other Management Support Workers	40	47	7	4	11
Engineers	6	7	1	0	1
Engineering & Related Techs.	1	1	0	0	0
Physical & Life Science Techs.	2	2	0	0	0
Systems Analysts, Electronic Data Processing	21	24	3	0	3
Computer Programmers	6	7	1	0	1
Mathematical Scientists	2	2	0	0	0
Psychologists	12	13	1	0	1
All Other Social Scientists	3	3	0	0	0
Social Workers, Exc. Medical & Psychiatric	7	8	1	0	1
Nursing Instructors	14	16	2	1	3
Graduate Assistants, Teaching	194	225	31	21	52
Life Science Teachers	46	53	7	4	11
Chemistry Teachers	11	13	2	1	3
Physics Teachers	8	9	1	0	1
All Other Physical Science Teachers	26	30	4	2	6
Social Science Teachers	53	61	8	4	12
Health Specialist Teachers	11	13	2	1	3
English & Foreign Language Teachers	58	67	9	6	15
Art, Drama, & Music Teachers	32	37	5	4	9
Engineering Teachers	36	42	6	7	13
Mathematical Science Teachers	28	32	4	2	6
All Other Postsecondary Teachers	525	608	83	64	147
Teachers, Preschool & Kindergarten	30	35	5	6	11
Teachers, Elementary School	632	732	100	129	229
Teachers, Secondary School	308	357	49	41	90
Teachers, Special Education	104	120	16	21	37
Instructors & Coaches, Sports & Physical Trng.	2	2	0	0	0
All Other Teachers & Instructors	25	29	4	5	9
Librarians, Professional	32	37	5	7	12
Technical Assistants, Library	26	30	4	6	10
Audio-Visual Specialists	4	4	0	0	0
Vocational & Educational Counselors	45	52	7	5	12
Instructional Coordinators	25	29	4	2	6
Teacher Aides, Paraprofessional	13	15	2	0	2
Speech Pathologists & Audiologists	11	13	2	1	3
Registered Nurses	21	25	4	4	8
All Other Health Professionals, Paraprofessionals, & Technicians	15	18	3	1	4
Writers & Editors	3	3	0	0	0
Athletes, Coaches, Umpires, & Related Workers	25	29	4	2	6
All Other Professional, Paraprofessional, & Technical Workers	25	29	4	2	6

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

COCONINO COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
SALES & RELATED OCCUPATIONS	20	24	4	3	7
Salespersons, Retail	4	5	1	0	1
Cashiers	16	19	3	3	6
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	747	864	117	141	258
First Line Supers.-Clerical & Admin. Support	16	19	3	1	4
Library Assistants & Bookmobile Drivers	10	11	1	0	1
Teacher Aides & Ed. Assistants, Clerical	325	376	51	64	115
Secretaries	211	244	33	53	86
Receptionists & Information Clerks	4	5	1	0	1
Typists	1	1	0	0	0
Typists, Word Processing Equipment	7	8	1	1	2
Personnel Clerks, Exc. Payroll & Timekeeping	3	3	0	0	0
File Clerks	18	21	3	4	7
Bookkeeping, Accounting, & Auditing Clerks	43	50	7	8	15
Payroll & Timekeeping Clerks	6	7	1	0	1
Billing, Cost & Rate Clerks	1	1	0	0	0
General Office Clerks	23	27	4	4	8
Duplicating Machine Operators	2	2	0	0	0
Computer Operators, Exc. Peripheral Equipment	8	9	1	0	1
Peripheral EDP Equipment Operators	5	6	1	1	2
Data Entry Keyers, Exc. Composing	4	5	1	0	1
All Other Office Machine Operators	1	1	0	0	0
Switchboard Operators	11	13	2	3	5
Mail Clerks, Exc. Mail Machine Operators & Postal Service	6	7	1	1	2
Stock Clerks - Stockroom, Warehouse, or Yard	19	22	3	1	4
Traffic, Shipping, & Receiving Clerks	1	1	0	0	0
All Other Material Recording/Scheduling/Dist.	3	3	0	0	0
All Other Clerical & Administrative Support	19	22	3	0	3
SERVICE OCCUPATIONS	412	478	66	66	132
First Line Supers. & Mgrs./Supers. - Service	10	12	2	2	4
Crossing Guards	3	3	0	1	1
Guards & Watch Guards	19	22	3	0	3
All Other Protective Service Workers	11	13	2	1	3
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	89	103	14	20	34
Cooks, Institution or Cafeteria	16	19	3	2	5
Food Preparation Workers	1	1	0	0	0
All Other Food Service Workers	2	2	0	0	0
Nursing Aides, Orderlies, & Attendants	3	3	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	232	269	37	35	72
All Other Service Workers	26	31	5	5	10
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	18	21	3	2	5
Gardeners & Groundskeepers, Exc. Farm	18	21	3	2	5
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	311	358	47	19	66
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	7	8	1	0	1
First Line Managers/Supervisors - Construction Trades & Extraction Workers	7	8	1	0	1
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	8	9	1	0	1
Inspectors & Related Occupations	1	1	0	0	0
Maintenance Repairers, General Utility	57	66	9	3	12
Automotive Mechanics	8	9	1	0	1
Bus & Truck Mechs., & Diesel Eng. Specialists	13	15	2	0	2
All Other Mechanics, Installers, & Repairers	5	5	0	0	0
Carpenters	7	8	1	0	1
Electricians	8	9	1	0	1
Painters & Paperhangers - Construction & Maintenance	6	7	1	0	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

COCONINO COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Plumbers, Pipefitters, & Steamfitters	5	6	1	0	1
All Other Construction & Extraction Workers, Exc. Helpers	14	16	2	1	3
Precision Production Occupations	2	2	0	0	0
Machine Setters, Operatives, & Tenders	5	6	1	0	1
Hand Working, Inc. Assemblers & Fabricators	1	1	0	0	0
Plant & System Occupations	10	12	2	1	3
Truck Drivers, Light - Incl. Delivery & Route	10	11	1	0	1
Bus Drivers, School	136	158	22	14	36
Helpers, Laborers, & Material Movers, Hand	1	1	0	0	0
TOTAL OF ALL OCCUPATIONS	4,200	4,857	657	603	1,260

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

GILA COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	35	40	5	4	9
Financial Managers	1	1	0	0	0
Education Administrators	21	24	3	3	6
Transportation, Communications, & Utilities Operations Managers	2	2	0	0	0
General Managers & Top Executives	11	13	2	1	3
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	593	684	91	93	184
Accountants & Auditors	1	1	0	0	0
Psychologists	3	3	0	0	0
Social Workers, Exc. Medical & Psychiatric	1	1	0	0	0
Teachers, Preschool & Kindergarten	4	5	1	0	1
Teachers, Elementary School	247	286	39	50	89
Teachers, Secondary School	252	292	40	33	73
Teachers, Special Education	33	38	5	6	11
Teachers & Instructors, Voc. Ed. & Training	6	7	1	0	1
Instructors & Coaches, Sports & Physical Trng.	2	2	0	0	0
Librarians, Professional	13	15	2	2	4
Technical Assistants, Library	2	2	0	0	0
Vocational & Educational Counselors	12	14	2	1	3
Instructional Coordinators	2	2	0	0	0
Teacher Aides, Paraprofessional	1	1	0	0	0
Speech Pathologists & Audiologists	7	8	1	1	2
Registered Nurses	3	3	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	3	3	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	174	199	25	31	56
First Line Supers.-Clerical & Admin. Support	3	3	0	0	0
Library Assistants & Bookmobile Drivers	3	3	0	0	0
Teacher Aides & Ed. Assistants, Clerical	114	132	18	22	40
Secretaries	32	37	5	8	13
Bookkeeping, Accounting, & Auditing Clerks	8	9	1	1	2
Payroll & Timekeeping Clerks	1	1	0	0	0
General Office Clerks	3	3	0	0	0
Computer Operators, Exc. Peripheral Equipment	2	2	0	0	0
Switchboard Operators	3	3	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	4	5	1	0	1
All Other Clerical & Administrative Support	1	1	0	0	0
SERVICE OCCUPATIONS	134	154	20	20	40
First Line Supers. & Mgrs./Supers. - Service	3	3	0	0	0
Guards & Watch Guards	3	3	0	0	0
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	28	32	4	6	10
Cooks, Institution or Cafeteria	16	19	3	2	5
Food Preparation Workers	9	10	1	1	2
Janitors & Cleaners, Exc. Maids & Housekeeping	75	87	12	11	23
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	75	86	11	6	17
First Line Managers/Supervisors - Mechanics/Installers/Repairers	1	1	0	0	0
First Line Managers/Supervisors - Construction Trades & Extraction Workers	1	1	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	2	2	0	0	0
Maintenance Repairers, General Utility	16	19	3	1	4
Bus & Truck Mechs., & Diesel Eng. Specialists	3	3	0	0	0
Bus Drivers, School	51	59	8	5	13
Helpers, Laborers, & Material Movers, Hand	1	1	0	0	0
TOTAL OF ALL OCCUPATIONS	1,011	1,163	152	154	306

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

GRAHAM COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	44	50	6	3	9
Financial Managers	6	7	1	0	1
Administrative Services Managers	1	1	0	0	0
Education Administrators	22	25	3	3	6
Construction Managers	1	1	0	0	0
General Managers & Top Executives	6	7	1	0	1
All Other Managers & Administrators	8	9	1	0	1
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	464	536	72	62	134
Accountants & Auditors	6	7	1	0	1
Computer Programmer Aides	3	3	0	0	0
Psychologists	1	1	0	0	0
Nursing Instructors	2	2	0	0	0
Chemistry Teachers	4	5	1	0	1
Physics Teachers	4	5	1	0	1
All Other Physical Science Teachers	5	6	1	0	1
Social Science Teachers	9	9	1	0	1
Health Specialties Teachers	1	1	0	0	0
English & Foreign Language Teachers	11	13	2	1	3
Art, Drama, & Music Teachers	36	42	6	5	11
Engineering Teachers	31	36	5	6	11
Mathematical Science Teachers	5	6	1	0	1
Computer Science Teachers	5	6	1	0	1
All Other Postsecondary Teachers	33	38	5	4	9
Teachers, Preschool & Kindergarten	9	10	1	1	2
Teachers, Elementary School	129	149	20	26	16
Teachers, Secondary School	60	69	9	8	17
Teachers, Special Education	33	38	5	6	11
Teachers & Instructors, Voc. Ed. & Training	17	20	3	2	5
Instructors & Coaches, Sports & Physical Trng.	13	15	2	0	2
Librarians, Professional	7	8	1	1	2
Audio-Visual Specialists	1	1	0	0	0
Vocational & Educational Counselors	8	10	2	0	2
Instructional Coordinators	1	1	0	0	0
Teacher Aides, Paraprofessional	14	16	2	1	3
Speech Pathologists & Audiologists	2	2	0	0	0
Registered Nurses	5	6	1	1	2
Writers & Editors	1	1	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	9	10	1	0	1
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	111	127	16	20	36
First Line Supers.-Clerical & Admin. Support	1	1	0	0	0
Library Assistants & Bookmobile Drivers	5	6	1	0	1
Teacher Aides & Ed. Assistants, Clerical	61	71	10	12	22
Secretaries	35	40	5	8	13
Receptionists & Information Clerks	1	1	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	1	1	0	0	0
Payroll & Timekeeping Clerks	1	1	0	0	0
General Office Clerks	2	2	0	0	0
Computer Operators, Exc. Peripheral Equipment	1	1	0	0	0
All Other Clerical & Administrative Support	3	3	0	0	0
SERVICE OCCUPATIONS	75	88	13	8	21
First Line Supers. & Mgrs./Supers. - Service	8	10	2	0	2
Crossing Guards	2	2	0	0	0
Guards & Watch Guards	4	5	1	0	1
Cooks, Institution or Cafeteria	14	16	2	2	4
Food Preparation Workers	23	27	4	4	8
Maids & Housekeeping Cleaners	1	1	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	23	27	4	2	6
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	7	8	1	0	1
Gardeners & Groundskeepers, Exc. Farm	7	8	1	0	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

GRAHAM COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	56	64	8	3	11
First Line Managers/Supervisors - Construction Trades & Extraction Workers	1	1	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	6	7	1	0	1
Maintenance Repairers, General Utility	14	16	2	0	2
Bus & Truck Mechs., & Diesel Eng. Specialists	3	3	0	0	0
Carpenters	1	1	0	0	0
Painters & Paperhangers - Construction & Maintenance	1	1	0	0	0
Bus Drivers, School	30	35	5	3	8
TOTAL OF ALL OCCUPATIONS	757	873	116	96	212

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

GREENLEE COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JO OPENINGS 1985-198
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	16	18	2	1	3
Financial Managers	3	3	0	0	0
Education Administrators	10	12	2	1	3
General Managers & Top Executives	3	3	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	167	191	24	25	49
Psychologists	2	2	0	0	0
Teachers, Preschool & Kindergarten	6	7	1	1	2
Teachers, Elementary School	72	83	11	14	25
Teachers, Secondary School	47	54	7	6	13
Teachers, Special Education	23	27	4	4	8
Teachers & Instructors, Voc. Ed. & Training	3	3	0	0	0
Instructors & Coaches, Sports & Physical Trng.	2	2	0	0	0
Librarians, Professional	2	2	0	0	0
Vocational & Educational Counselors	3	3	0	0	0
Teacher Aides, Paraprofessional	2	2	0	0	0
Speech Pathologists & Audiologists	1	1	0	0	0
Registered Nurses	4	5	1	0	1
SALES & RELATED OCCUPATIONS	1	1	0	0	0
Cashiers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	44	50	6	6	12
Teacher Aides & Ed. Assistants, Clerical	25	29	4	4	8
Secretaries	11	13	2	2	4
Bookkeeping, Accounting, & Auditing Clerks	3	3	0	0	0
Payroll & Timekeeping Clerks	2	2	0	0	0
General Office Clerks	1	1	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	1	1	0	0	0
All Other Clerical & Administrative Support	1	1	0	0	0
SERVICE OCCUPATIONS	34	39	5	3	8
First Line Supers. & Mgrs./Supers. - Service	2	2	0	0	0
Guards & Watch Guards	1	1	0	0	0
Cooks, Institution or Cafeteria	6	7	1	0	1
Food Preparation Workers	4	5	1	0	1
Janitors & Cleaners, Exc. Maids & Housekeeping	21	24	3	3	6
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	39	45	6	1	7
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	3	3	0	0	0
Maintenance Repairers, General Utility	12	14	2	0	2
Bus & Truck Mechs., & Diesel Eng. Specialists	2	2	0	0	0
Bus Drivers, School	12	14	2	1	3
Helpers, Laborers, & Material Movers, Hand	10	12	2	0	2
TOTAL OF ALL OCCUPATIONS	301	344	43	36	79

BEST COPY AVAILABLE

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

LA PAZ COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	17	19	2	1	3
Financial Managers	1	1	0	0	0
Administrative Services Managers	1	1	0	0	0
Education Administrators	12	14	2	1	3
Transportation, Communications, & Utilities Operations Managers	1	1	0	0	0
General Managers & Top Executives	2	2	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	173	198	25	27	52
All Management Support Workers	1	1	0	0	0
Psychologists	1	1	0	0	0
Teachers, Preschool & Kindergarten	11	13	2	2	4
Teachers, Elementary School	79	91	12	16	28
Teachers, Secondary School	46	53	7	6	13
Teachers, Special Education	18	21	3	3	6
Farm & Home Management Advisors	2	2	0	0	0
Librarians, Professional	2	2	0	0	0
Vocational & Educational Counselors	2	2	0	0	0
Instructional Coordinators	2	2	0	0	0
Teacher Aides, Paraprofessional	7	8	1	0	1
Speech Pathologists & Audiologists	1	1	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	89	102	13	16	29
Library Assistants & Bookmobile Drivers	2	2	0	0	0
Teacher Aides & Ed. Assistants, Clerical	58	67	9	11	20
Secretaries	17	20	3	4	7
Bookkeeping, Accounting, & Auditing Clerks	8	9	1	1	2
General Office Clerks	3	3	0	0	0
All Material Recording/Scheduling/Dist.	1	1	0	0	0
SERVICE OCCUPATIONS	58	66	8	5	13
First Line Supers. & Mgrs./Supers. - Service	3	3	0	0	0
Crossing Guards	1	1	0	0	0
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	11	13	2	0	2
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	5	6	1	1	2
Cooks, Institution or Cafeteria	8	9	1	1	2
Food Preparation Workers	5	6	1	0	1
Janitors & Cleaners, Exc. Maids & Housekeeping	22	25	3	3	6
All Other Service Workers	3	3	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
Gardeners & Groundskeepers, Exc. Farm	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	46	53	7	3	10
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	2	2	0	0	0
Maintenance Repairers, General Utility	10	12	2	0	2
Bus & Truck Mechs., & Diesel Eng. Specialists	1	1	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	2	2	0	0	0
Bus Drivers, School	31	36	5	3	8
TOTAL OF ALL OCCUPATIONS	384	439	55	52	107

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

MARICOPA COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	1,848	2,054	206	237	443
Financial Managers	71	79	8	9	17
Personnel, Training, & Labor Relations Mgrs.	61	68	7	7	14
Purchasing Managers	9	10	1	0	1
Marketing, Advertising, & Public Rel. Mgrs.	25	27	2	2	4
Administrative Services Managers	32	35	3	3	6
Engineering, Math, & Natural Sciences Managers	5	5	0	0	0
Education Administrators	992	1,104	112	147	259
Construction Managers	21	23	2	0	2
Transportation, Communications, & Utilities Operations Managers	48	53	5	1	6
Food Service & Lodging Managers	67	75	8	9	17
General Managers & Top Executives	286	318	32	32	64
All Other Managers & Administrators	231	257	26	27	53
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	36,117	40,194	4,077	5,941	10,018
Accountants & Auditors	74	82	8	9	17
Budget Analysts	16	18	2	1	3
All Other Financial Specialists	47	52	5	5	10
Purchasing Agents, Exc. Wholesale, Retail, & Farm	63	71	8	6	14
Personnel, Training, & Labor Rel. Specialists	111	123	12	9	21
Construction & Building Inspectors	5	6	1	0	1
All Other Management Support Workers	247	275	28	28	56
Engineers	20	22	2	1	3
Engineering & Related Techs.	125	139	14	10	24
Life Scientists	1	1	0	0	0
Physical & Life Science Techs.	14	16	2	1	3
Systems Analysts, Electronic Data Processing	82	91	9	2	11
Computer Programmers	117	131	14	5	19
Computer Programmer Aides	22	25	3	1	4
Urban & Regional Planners	2	2	0	0	0
Psychologists	247	275	28	19	47
All Other Social Scientists	1	1	0	0	0
Social Workers, Exc. Medical & Psychiatric	54	60	6	9	15
Nursing Instructors	172	191	19	17	36
Graduate Assistants, Teaching	1,655	1,842	187	180	367
Life Science Teachers	177	197	20	18	38
Chemistry Teachers	93	104	11	9	20
Physics Teachers	57	63	6	6	12
All Other Physical Science Teachers	46	51	5	4	9
Social Science Teachers	534	594	60	42	102
Health Specialties Teachers	54	60	6	4	10
English & Foreign Language Teachers	349	388	39	40	79
Art, Drama, & Music Teachers	276	307	31	39	70
Engineering Teachers	364	405	41	75	116
Mathematical Science Teachers	193	215	22	15	37
Computer Science Teachers	114	127	13	4	17
All Other Postsecondary Teachers	1,223	1,361	138	148	286
Teachers, Preschool & Kindergarten	491	546	55	99	154
Teachers, Elementary School	11,343	12,625	1,282	2,304	3,586
Teachers, Secondary School	6,330	7,045	715	835	1,550
Teachers, Special Education	2,815	3,133	318	568	886
Teachers & Instructors, Voc. Ed. & Training	4,115	4,581	466	660	1,126
Instructors, Nonvocational Education	149	165	16	14	30
Instructors & Coaches, Sports & Physical Trng.	184	204	20	18	38
All Other Teachers & Instructors	1,384	1,541	157	304	461
Librarians, Professional	418	465	47	97	144
Technical Assistants, Library	114	126	12	27	39
Audio-Visual Specialists	76	84	8	13	21
Vocational & Educational Counselors	505	563	58	69	127
Instructional Coordinators	301	335	34	29	63
Teacher Aides, Paraprofessional	329	366	37	32	69

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

MARICOPA COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Speech Pathologists & Audiologists	119	132	13	19	32
Registered Nurses	376	418	42	81	123
Licensed Practical Nurses	64	71	7	16	23
Dietitians & Nutritionists	2	2	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	106	118	12	16	28
Writers & Editors	38	42	4	5	9
Athletes, Coaches, Umpires, & Related Workers	86	96	10	7	17
All Other Professional, Paraprofessional, & Technical Workers	217	241	24	21	45
SALES & RELATED OCCUPATIONS	433	482	49	66	115
Other Sales Representatives, Exc. Retail	58	65	7	8	15
Salespersons, Retail	47	52	5	4	9
Cashiers	179	199	20	38	58
All Other Sales & Related Workers	149	166	17	16	33
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	9,896	11,011	1,115	1,902	3,017
First Line Supers.-Clerical & Admin. Support	244	271	27	31	58
Library Assistants & Bookmobile Drivers	525	584	59	53	112
Teacher Aides & Ed. Assistants, Clerical	3,567	3,970	403	698	1,101
Secretaries	1,972	2,195	223	498	721
Stenographers	31	34	3	7	10
Receptionists & Information Clerks	110	123	13	23	36
Typists	366	407	41	101	142
Typists, Word Processing Equipment	96	106	10	13	23
Personnel Clerks, Exc. Payroll & Timekeeping	48	54	6	13	19
Correspondence Clerks	3	3	0	0	0
File Clerks	27	30	3	7	10
Bookkeeping, Accounting, & Auditing Clerks	364	405	41	75	116
Payroll & Timekeeping Clerks	53	60	7	8	15
Billing, Cost & Rate Clerks	6	6	0	0	0
General Office Clerks	1,342	1,493	151	301	452
Billing, Posting, & Calculating Machine Opers.	3	3	0	0	0
Duplicating Machine Operators	21	23	2	4	6
Computer Operators, Exc. Peripheral Equipment	79	88	9	7	16
Peripheral EDP Equipment Operators	9	10	1	1	2
Data Entry Keyers, Exc. Composing	74	82	8	6	14
All Other Office Machine Operators	1	1	0	0	0
Switchboard Operators	41	46	5	10	15
Mail Clerks, Exc. Mail Machine Operators & Postal Service	19	21	2	2	4
Stock Clerks - Stockroom, Warehouse, or Yard	152	169	17	15	32
Traffic, Shipping, & Receiving Clerks	66	73	7	5	12
All Other Material Recording/Scheduling/Dist.	148	165	17	17	34
All Other Clerical & Administrative Support	529	589	60	7	67
SERVICE OCCUPATIONS	7,420	8,256	836	1,370	2,206
First Line Supers. & Mgrs./Supers. - Service	539	600	61	111	172
Crossing Guards	373	415	42	161	203
Guards & Watch Guards	227	252	25	8	33
All Other Protective Service Workers	519	577	58	70	128
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	351	390	39	16	55
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	788	876	88	180	268
Cooks, Institution or Cafeteria	328	365	37	51	88
Food Preparation Workers	590	657	67	111	178
All Other Food Service Workers	203	226	23	38	61
Nursing Aides, Orderlies, & Attendants	28	31	3	5	8
Maids & Housekeeping Cleaners	13	14	1	3	4
Janitors & Cleaners, Exc. Maids & Housekeeping	2,383	2,653	270	364	634
All Other Cleaning/Building Service, Exc. Private House	49	55	6	7	13

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

MARICOPA COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Child Care Workers	450	501	51	124	175
All Other Service Workers	579	644	65	121	186
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	253	282	29	38	67
Gardeners & Groundskeepers, Exc. Farm	248	276	28	38	66
All Other Agri., Forestry, Fishing, & Related	5	6	1	0	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	3,146	3,501	355	282	637
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	122	135	13	14	27
First Line Managers/Supervisors - Construction Trades & Extraction Workers	17	19	2	2	4
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	34	38	4	4	8
Maintenance Repairers, General Utility	336	374	38	22	60
Automotive Mechanics	48	54	6	2	8
Bus & Truck Mechs., & Diesel Eng. Specialists	75	83	8	4	12
All Other Mechanics, Installers, & Repairers	203	226	23	13	36
Carpenters	75	84	9	7	16
Electricians	76	85	9	5	14
Painters & Paperhangers - Construction & Maintenance	71	79	8	7	15
Plumbers, Pipefitters, & Steamfitters	53	59	6	3	9
All Other Construction & Extraction Workers, Exc. Helpers	28	31	3	2	5
Precision Production Occupations	57	64	7	3	10
Machine Setters, Operatives, & Tenders	31	34	3	1	4
Hand Working, Inc. Assemblers & Fabricators	31	35	4	2	6
Plant & System Occupations	20	22	2	1	3
Truck Drivers, Light - Incl. Delivery & Route	46	51	5	2	7
Bus Drivers, School	1,172	1,304	132	130	262
All Other Transportation & Related Workers	47	52	5	4	9
Industrial Truck & Tractor Operators	3	3	0	0	0
All Other Material Moving Equipment Operators	11	12	1	0	1
Helpers, Laborers, & Material Movers, Hand	590	657	67	54	121
TOTAL OF ALL OCCUPATIONS	59,113	65,780	6,667	9,836	16,503

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

MOHAVE COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	95	108	13	9	22
Financial Managers	6	6	0	0	0
Personnel, Training, & Labor Relations Mgrs.	3	3	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	2	2	0	0	0
Administrative Services Managers	1	1	0	0	0
Education Administrators	62	72	10	8	18
Construction Managers	2	2	0	0	0
Transportation, Communications, & Utilities Operations Managers	1	1	0	0	0
General Managers & Top Executives	18	21	3	1	4
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	815	942	127	130	257
Accountants & Auditors	3	3	0	0	0
All Other Management Support Workers	10	11	1	0	1
Psychologists	11	13	2	0	2
Nursing Instructors	3	3	0	0	0
All Physical Science Teachers	3	3	0	0	0
Social Science Teachers	5	6	1	0	1
Health Specialties Teachers	2	2	0	0	0
English & Foreign Language Teachers	8	9	1	0	1
Art, Drama, & Music Teachers	5	6	1	0	1
Mathematical Science Teachers	5	6	1	0	1
Computer Science Teachers	12	14	2	0	2
All Other Postsecondary Teachers	13	15	2	1	3
Teachers, Preschool & Kindergarten	33	38	5	6	11
Teachers, Elementary School	396	459	63	81	144
Teachers, Secondary School	170	197	27	22	49
Teachers, Special Education	70	81	11	14	25
Teachers & Instructors, Voc. Ed. & Training	6	7	1	0	1
Instructors, Nonvocational Education	1	1	0	0	0
Librarians, Professional	8	9	1	1	2
Technical Assistants, Library	1	1	0	0	0
Audio-Visual Specialists	1	1	0	0	0
Vocational & Educational Counselors	20	23	3	2	5
Instructional Coordinators	2	2	0	0	0
Teacher Aides, Paraprofessional	4	5	1	0	1
Speech Pathologists & Audiologists	6	7	1	0	1
Registered Nurses	16	19	3	3	6
All Other Health Professionals, Paraprofessionals, & Technicians	1	1	0	0	0
SALES & RELATED OCCUPATIONS	1	1	0	0	0
Salespersons, Retail	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	325	374	49	62	111
Library Assistants & Bookmobile Drivers	11	13	2	1	3
Teacher Aides & Ed. Assistants, Clerical	189	219	30	37	67
Secretaries	72	83	11	17	28
Receptionists & Information Clerks	3	3	0	0	0
Typists	7	8	1	1	2
Correspondence Clerks	1	1	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	4	5	1	0	1
Payroll & Timekeeping Clerks	1	1	0	0	0
General Office Clerks	28	32	4	6	10
Data Entry Keyers, Exc. Composing	2	2	0	0	0
Switchboard Operators	2	2	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	2	2	0	0	0
All Other Clerical & Administrative Support	3	3	0	0	0
SERVICE OCCUPATIONS	177	204	27	27	54
First Line Supers. & Mgrs./Supers. - Service	4	5	1	0	1
Crossing Guards	3	3	0	1	1
All Other Protective Service Workers	13	15	2	1	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

MOHAVE COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	36	42	6	8	14
Cooks, Institution or Cafeteria	15	17	2	2	4
Food Preparation Workers	3	3	0	0	0
All Other Food Service Workers	1	1	0	0	0
Nursing Aides, Orderlies, & Attendants	3	3	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	99	115	16	15	31
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	105	120	15	7	22
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	3	3	0	0	0
Maintenance Repairers, General Utility	17	20	3	0	3
Bus & Truck Mechs., & Diesel Eng. Specialists	9	10	1	0	1
All Other Mechanics, Installers, & Repairers	3	3	0	0	0
Carpenters	3	3	0	0	0
Electricians	1	1	0	0	0
Painters & Paperhangers - Construction & Maintenance	1	1	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	1	1	0	0	0
Bus Drivers, School	67	78	11	7	18
TOTAL OF ALL OCCUPATIONS	1,518	1,749	231	235	466

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

NAVAJO COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	95	108	13	9	22
Financial Managers	7	8	1	0	1
Marketing, Advertising, & Public Rel. Mgrs.	1	1	0	0	0
Education Administrators	66	76	10	9	19
Construction Managers	1	1	0	0	0
Transportation, Communications, & Utilities Operations Managers	2	2	0	0	0
Food Service & Lodging Managers	1	1	0	0	0
General Managers & Top Executives	9	10	1	0	1
All Other Managers & Administrators	8	9	1	0	1
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,139	1,313	174	190	364
Accountants & Auditors	2	2	0	0	0
All Other Financial Specialists	1	1	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	1	1	0	0	0
All Other Management Support Workers	4	4	0	0	0
Psychologists	3	3	0	0	0
Social Workers, Exc. Medical & Psychiatric	2	2	0	0	0
Chemistry Teachers	1	1	0	0	0
Physics Teachers	1	1	0	0	0
All Other Physical Science Teachers	2	2	0	0	0
Social Science Teachers	3	3	0	0	0
Health Specialties Teachers	1	1	0	0	0
English & Foreign Language Teachers	5	6	1	0	1
Art, Drama, & Music Teachers	2	2	0	0	0
Engineering Teachers	4	5	1	0	1
Mathematical Science Teachers	2	2	0	0	0
Computer Science Teachers	2	2	0	0	0
All Other Postsecondary Teachers	86	100	14	10	24
Teachers, Preschool & Kindergarten	14	16	2	2	4
Teachers, Elementary School	505	585	80	103	183
Teachers, Secondary School	243	281	38	32	70
Teachers, Special Education	88	102	14	17	31
Teachers & Instructors, Voc. Ed. & Training	24	28	4	3	7
Instructors, Nonvocational Education	3	3	0	0	0
Instructors & Coaches, Sports & Physical Trng.	12	14	2	1	3
All Other Teachers & Instructors	52	60	8	11	19
Librarians, Professional	22	25	3	5	8
Technical Assistants, Library	1	1	0	0	0
Audio-Visual Specialists	4	5	1	0	1
Vocational & Educational Counselors	25	28	3	3	6
Instructional Coordinators	2	2	0	0	0
Teacher Aides, Paraprofessional	3	3	0	0	0
Speech Pathologists & Audiologists	2	2	0	0	0
Registered Nurses	16	19	3	3	6
All Other Health Professionals, Paraprofessionals, & Technicians	1	1	0	0	0
SALES & RELATED OCCUPATIONS	2	2	0	0	0
Salespersons, Retail	1	1	0	0	0
Cashiers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	501	579	78	89	167
First Line Supers.-Clerical & Admin. Support	7	8	1	0	1
Library Assistants & Bookmobile Drivers	31	36	5	2	7
Teacher Aides & Ed. Assistants, Clerical	289	335	46	57	103
Secretaries	86	100	14	21	35
Receptionists & Information Clerks	1	1	0	0	0
Typists	2	2	0	0	0
Typists, Word Processing Equipment	4	5	1	0	1
Personnel Clerks, Exc. Payroll & Timekeeping	1	1	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	18	21	3	3	6

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

NAVAJO COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Payroll & Timekeeping Clerks	5	6	1	0	1
General Office Clerks	31	36	5	6	11
Duplicating Machine Operators	1	1	0	0	0
Computer Operators, Exc. Peripheral Equipment	2	2	0	0	0
Switchboard Operators	2	2	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	3	3	0	0	0
Traffic, Shipping, & Receiving Clerks	3	3	0	0	0
All Other Material Recording/Scheduling/Dist.	2	2	0	0	0
All Other Clerical & Administrative Support	13	15	2	0	2
SERVICE OCCUPATIONS	275	318	43	44	87
First Line Supers. & Mgrs./Supers. - Service	20	23	3	4	7
Crossing Guards	1	1	0	0	0
Guards & Watch Guards	6	7	1	0	1
Cooks, Institution or Cafeteria	44	51	7	7	14
Food Preparation Workers	70	81	11	13	24
Nursing Aides, Orderlies, & Attendants	5	6	1	1	2
Janitors & Cleaners, Exc. Maids & Housekeeping	129	149	20	19	39
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	11	13	2	1	3
Gardeners & Groundskeepers, Exc. Farm	11	13	2	1	3
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	220	254	34	18	52
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	2	2	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	9	10	1	1	2
Maintenance Repairers, General Utility	76	88	12	5	17
Bus & Truck Mechs., & Diesel Eng. Specialists	18	21	3	1	4
Electricians	4	5	1	0	1
Machine Setters, Operatives, & Tenders	1	1	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	2	2	0	0	0
Bus Drivers, School	108	125	17	11	28
TOTAL OF ALL OCCUPATIONS	2,243	2,587	344	351	695

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

PIMA COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	884	948	64	113	177
Financial Managers	24	26	2	2	4
Personnel, Training, & Labor Relations Mgrs.	10	11	1	1	2
Purchasing Managers	3	3	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	13	14	1	0	1
Administrative Services Managers	9	9	0	0	0
Engineering, Math & Natural Sciences Managers	5	5	0	0	0
Education Administrators	694	746	52	102	154
Construction Managers	7	7	0	0	0
Transportation, Communications, & Utilities Operations Managers	20	22	2	0	2
Food Service & Lodging Managers	12	12	0	0	0
General Managers & Top Executives	47	50	3	4	7
All Other Managers & Administrators	40	43	3	4	7
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	14,817	15,910	1,093	2,108	3,201
Accountants & Auditors	56	60	4	7	11
Budget Analysts	9	10	1	0	1
All Other Financial Specialists	55	59	4	6	10
Purchasing Agents, Exc. Wholesale, Retail, & Farm	20	22	2	1	3
Personnel, Training, & Labor Rel. Specialists	36	38	2	2	4
Construction & Building Inspectors	1	1	0	0	0
All Other Management Support Workers	451	484	33	52	85
Engineers	60	64	4	3	7
Engineers & Related Techs.	17	18	1	0	1
Physical Scientists	315	338	23	17	40
Life Scientists	204	219	15	22	37
Physical & Life Science Techs.	406	436	30	34	64
Systems Analysts, Electronic Data Processing	70	75	5	2	7
Computer Programmers	67	72	5	2	7
Computer Programmer Aides	24	26	2	2	4
Mathematical Scientists	2	2	0	0	0
Urban & Regional Planners	2	2	0	0	0
Psychologists	66	71	5	4	9
All Other Social Scientists	166	178	12	11	23
Social Workers, Exc. Medical & Psychiatric	37	40	3	6	9
Nursing Instructors	62	67	5	5	10
Graduate Assistants, Teaching	1,428	1,534	106	154	260
Life Science Teachers	727	781	54	74	128
Chemistry	30	32	2	2	4
Physics Teachers	34	37	3	3	6
All Other Physical Science Teachers	50	54	4	5	9
Social Science Teachers	212	228	16	16	32
Health Specialties Teachers	121	130	9	11	20
English & Foreign Language Teachers	127	136	9	14	23
Art, Drama, & Music Teachers	96	103	7	13	20
Engineering Teachers	211	227	16	43	59
Mathematical Science Teachers	60	64	4	4	8
Computer Science Teachers	47	51	4	1	5
All Other Postsecondary Teachers	412	443	31	49	80
Teachers, Preschool & Kindergarten	222	238	16	44	60
Teachers, Elementary School	3,058	3,284	226	615	841
Teachers, Secondary School	1,654	1,776	122	216	338
Teachers, Special Education	255	274	19	51	70
Teachers & Instructors, Voc. Ed. & Training	1,032	1,108	76	162	238
Instructors, Nonvocational Education	348	374	26	35	61
Instructors & Coaches, Sports & Physical Trng.	141	151	10	14	24
Farm & Home Management Advisors	69	74	5	8	13
All Other Teachers & Instructors	410	440	30	88	118
Librarians, Professional	226	243	17	52	69
Technical Assistants, Library	86	92	6	20	26
Audio-Visual Specialists	19	20	1	2	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

PIMA COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Vocational & Educational Counselors	194	208	14	26	40
Instructional Coordinators	39	42	3	3	6
Teacher Aides, Paraprofessional	105	113	8	10	18
Speech Pathologists & Audiologists	76	81	5	11	16
Registered Nurses	174	187	13	37	50
Licensed Practical Nurses	19	20	1	4	5
Dietitians & Nutritionists	6	6	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	794	853	59	123	182
Writers & Editors	32	34	2	5	7
Athletes, Coaches, Umpires, & Related Workers	2	2	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	175	188	13	17	30
SALES & RELATED OCCUPATIONS	174	187	13	28	41
Other Sales Representatives, Exc. Retail	15	16	1	1	2
Salespersons, Retail	33	35	2	2	4
Cashiers	119	128	9	25	34
All Other Sales & Related Workers	7	8	1	0	1
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	3,576	3,839	263	696	959
First Line Supers.-Clerical & Admin. Support	191	206	15	24	39
Library Assistants & Bookmobile Drivers	116	124	8	11	19
Teacher Aides & Ed. Assistants, Clerical	532	571	39	102	141
Secretaries	1,340	1,439	99	335	434
Stenographers	99	106	7	22	29
Receptionists & Information Clerks	20	22	2	3	5
Typists	177	190	13	48	61
Typists, Word Processing Equipment	28	30	2	4	6
Personnel Clerks, Exc. Payroll & Timekeeping	22	24	2	6	8
Correspondence Clerks	2	2	0	0	0
File Clerks	29	31	2	7	9
Bookkeeping, Accounting, & Auditing Clerks	244	262	18	49	67
Payroll & Timekeeping Clerks	18	20	2	2	4
Billing, Cost & Rate Clerks	43	47	4	9	13
General Office Clerks	182	195	13	39	52
Duplicating Machine Operators	3	3	0	0	0
Computer Operators, Exc. Peripheral Equipment	27	29	2	2	4
Data Entry Keyers, Exc. Composing	75	80	5	6	11
All Other Office Machine Operators	6	6	0	1	1
Switchboard Operators	44	47	3	12	15
Mail Clerks, Exc. Mail Machine Operators & Postal Service	23	25	2	3	5
Stock Clerks - Stockroom, Warehouse, or Yard	56	60	4	4	8
Traffic, Shipping, & Receiving Clerks	38	41	3	3	6
All Other Material Recording/Scheduling/Dist.	22	23	1	1	2
All Other Clerical & Administrative Support	239	256	17	3	20
SERVICE OCCUPATIONS	2,851	3,062	211	480	691
First Line Supers. & Mgrs./Supers. - Service	211	226	15	42	57
Crossing Guards	126	135	9	53	62
Guards & Watch Guards	68	73	5	2	7
All Other Protective Service Workers	369	396	27	49	76
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	241	259	18	11	29
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	314	337	23	71	94
Cooks, Institution or Cafeteria	72	78	6	10	16
Food Preparation Workers	187	201	14	34	48
All Other Food Service Workers	10	11	1	1	2
Nursing Aides, Orderlies, & Attendants	74	80	6	15	21
Janitors & Cleaners, Exc. Maids & Housekeeping	947	1,017	70	142	212
Child Care Workers	33	35	2	9	11
All Other Service Workers	199	214	15	41	56

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

PIMA COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	208	223	15	30	45
Gardeners & Groundskeepers, Exc. Farm	138	148	10	21	31
All Other Agri., Forestry, Fishing, & Related	70	75	5	9	14
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	1,310	1,406	96	102	198
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	29	31	2	2	4
First Line Managers/Supervisors - Construction Trades & Extraction Workers	11	12	1	1	2
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	18	20	2	2	4
Inspectors & Related Occupations	4	4	0	0	0
Maintenance Repairers, General Utility	78	83	5	4	9
Automotive Mechanics	30	32	2	1	3
Bus & Truck Mechs., & Diesel Eng. Specialists	37	40	3	1	4
All Other Mechanics, Installers, & Repairers	175	188	13	11	24
Carpenters	35	38	3	3	6
Electricians	33	36	3	1	4
Painters & Paperhangers - Construction & Maintenance	32	34	2	2	4
Plumbers, Pipefitters, & Steamfitters	32	34	2	2	4
All Other Construction & Extraction Workers, Exc. Helpers	20	22	2	2	4
Precision Production Occupations	58	62	4	3	7
Machine Setters, Operatives, & Tenders	20	21	1	1	2
Hand Working, Inc. Assemblers & Fabricators	5	5	0	0	0
Plant & System Occupations	24	26	2	2	4
Truck Drivers, Light - Incl. Delivery & Route	34	36	2	1	3
Bus Drivers, School	438	470	32	48	80
All Other Transportation & Related Workers	10	11	1	0	1
Industrial Truck & Tractor Operators	17	19	2	0	2
Helpers, Laborers, & Material Movers, Hand	170	182	12	15	27
TOTAL OF ALL OCCUPATIONS	23,820	25,575	1,755	3,557	5,312

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

PINAL COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	116	132	16	13	29
Financial Managers	2	2	0	0	0
Personnel, Training, & Labor Relations Mgrs.	1	1	0	0	0
Purchasing Managers	1	1	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	1	1	0	0	0
Administrative Services Managers	1	1	0	0	0
Engineering, Math, & Nautral Sciences Mangers	1	1	0	0	0
Education Administrators	72	84	12	10	22
Construction Managers	2	2	0	0	0
Transportation, Communications, & Utilities Operations Managers	2	2	0	0	0
Food Service & Lodging Managers	2	2	0	0	0
General Managers & Top Executives	29	33	4	3	7
All Other Managers & Administrators	2	2	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,858	2,147	289	307	596
Accountants & Auditors	2	2	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	1	1	0	0	0
All Other Management Support Workers	2	2	0	0	0
Systems Analysts, Electronic Data Processing	1	1	0	0	0
Computer Programmers	2	2	0	0	0
Psychologists	19	22	3	1	4
Social Workers, Exc. Medical & Psychiatric	3	3	0	0	0
Nursing Instructors	5	6	1	0	1
Life Science Teachers	4	5	1	0	1
Chemistry Teachers	1	1	0	0	0
All Other Physical Science Teachers	2	2	0	0	0
Social Science Teachers	27	31	4	2	6
Health Specialties Teachers	6	7	1	0	1
English & Foreign Language Teachers	19	22	3	2	5
Art, Drama, & Music Teachers	22	25	3	3	6
Engineering Teachers	16	19	3	3	6
Mathematical Science Teachers	8	9	1	0	1
Computer Science Teachers	9	10	1	0	1
All Other Postsecondary Teachers	66	76	10	8	18
Teachers, Preschool & Kindergarten	3	3	0	0	0
Teachers, Elementary School	917	1,062	145	188	333
Teachers, Secondary School	409	474	65	54	119
Teachers, Special Education	94	109	15	19	34
Teachers & Instructors, Voc. Ed. & Training	109	126	17	16	33
Librarians, Professional	19	22	3	3	6
Technical Assistants, Library	1	1	0	0	0
Audio-Visual Specialists	4	5	1	0	1
Vocational & Educational Counselors	26	30	4	2	6
Instructional Coordinators	5	6	1	0	1
Teacher Aides, Paraprofessional	29	33	4	2	6
Speech Pathologists & Audiologists	7	8	1	1	2
Registered Nurses	15	17	2	3	5
Licensed Practical Nurses	2	2	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	1	1	0	0	0
Athletes, Coaches, Umpires, & Related Workers	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	1	1	0	0	0
SALES & RELATED OCCUPATIONS	11	12	1	1	2
Other Sales Representatives, Exc. Retail	1	1	0	0	0
Cashiers	8	9	1	1	2
All Other Sales & Related Workers	2	2	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	567	653	86	107	193
First Line Supers.-Clerical & Admin. Support	7	8	1	0	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

PINAL COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Library Assistants & Bookmobile Drivers	22	25	3	1	4
Teacher Aides & Ed. Assistants, Clerical	326	378	52	64	116
Secretaries	150	174	24	38	62
Receptionists & Information Clerks	5	5	0	0	0
Typists	5	6	1	1	2
Personnel Clerks, Exc. Payroll & Timekeeping	1	1	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	18	21	3	2	5
Payroll & Timekeeping Clerks	7	8	1	1	2
General Office Clerks	6	6	0	0	0
Duplicating Machine Operators	1	1	0	0	0
Computer Operators, Exc. Peripheral Equipment	1	1	0	0	0
Peripheral EDP Equipment Operators	1	1	0	0	0
Switchboard Operators	3	3	0	0	0
Mail Clerks, Exc. Mail Machine Operators & Postal Service	1	1	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	8	9	1	0	1
All Other Material Recording/Scheduling/Dist.	2	2	0	0	0
All Other Clerical & Administrative Support	3	3	0	0	0
SERVICE OCCUPATIONS	447	517	70	76	146
First Line Supers. & Mgrs./Supers. - Service	33	38	5	6	11
Crossing Guards	11	13	2	4	6
All Other Protective Service Workers	4	5	1	0	1
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	83	96	13	19	32
Cooks, Institution or Cafeteria	64	74	10	10	20
Food Preparation Workers	28	32	4	5	9
All Other Food Service Workers	2	2	0	0	0
Maids & Housekeeping Cleaners	2	2	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	214	248	34	32	66
All Other Cleaning/Building Service, Exc. Private House	5	6	1	0	1
Child Care Workers	1	1	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	4	5	1	0	1
Gardeners & Groundskeepers, Exc. Farm	4	5	1	0	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	206	238	32	19	51
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	1	1	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	4	4	0	0	0
Maintenance Repairers, General Utility	19	22	3	1	4
Bus & Truck Mechs., & Diesel Eng. Specialists	5	6	1	0	1
Carpenters	1	1	0	0	0
Electricians	1	1	0	0	0
All Other Construction & Extraction Workers, Exc. Helpers	5	6	1	0	1
Machine Setters, Operatives, & Tenders	1	1	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	1	1	0	0	0
Bus Drivers, School	163	189	26	18	44
All Other Transportation & Related Workers	5	6	1	0	1
TOTAL OF ALL OCCUPATIONS	3,209	3,704	495	523	1,018

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

SANTA CRUZ COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	24	28	4	2	6
Financial Managers	1	1	0	0	0
Personnel, Training, & Labor Relations Mgrs.	1	1	0	0	0
Education Administrators	18	21	3	2	5
General Managers & Top Executives	4	5	1	0	1
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	363	418	55	59	114
Accountants & Auditors	1	1	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	1	1	0	0	0
All Other Management Support Workers	5	6	1	0	1
Computer Programmers	1	1	0	0	0
Psychologists	3	3	0	0	0
Social Workers, Exc. Medical & Psychiatric	1	1	0	0	0
Teachers, Preschool & Kindergarten	22	25	3	4	7
Teachers, Elementary School	191	221	30	39	69
Teachers, Secondary School	78	90	12	10	22
Teachers, Special Education	17	20	3	3	6
Instructors, Nonvocational Education	4	5	1	0	1
Instructors & Coaches, Sports & Physical Trng.	3	3	0	0	0
Librarians, Professional	5	6	1	1	2
Audio-Visual Specialists	1	1	0	0	0
Vocational & Educational Counselors	6	7	1	0	1
Teacher Aides, Paraprofessional	13	15	2	1	3
Speech Pathologists & Audiologists	3	3	0	0	0
Registered Nurses	7	8	1	1	2
Athletes, Coaches, Umpires, & Related Workers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	110	127	17	21	38
First Line Supers.-Clerical & Admin. Support	1	1	0	0	0
Teacher Aides & Ed. Assistants, Clerical	66	76	10	13	23
Secretaries	5	6	1	1	2
Bookkeeping, Accounting, & Auditing Clerks	7	8	1	1	2
General Office Clerks	27	31	4	6	10
Stock Clerks - Stockroom, Warehouse, or Yard	4	5	1	0	1
SERVICE OCCUPATIONS	47	53	6	6	12
First Line Supers. & Mgrs./Supers. - Service	3	3	0	0	0
Guards & Watch Guards	3	3	0	0	0
Cooks, Institution or Cafeteria	1	1	0	0	0
Food Preparation Workers	1	1	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	39	45	6	6	12
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
Gardeners & Groundskeepers, Exc. Farm	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	37	43	6	1	7
Maintenance Repairers, General Utility	13	15	2	0	2
Bus & Truck Mechs., & Diesel Eng. Specialists	4	5	1	0	1
Carpenters	1	1	0	0	0
Electricians	1	1	0	0	0
Painters & Paperhangers - Construction & Maintenance	1	1	0	0	0
Plumbers, Pipefitters, & Steamfitters	1	1	0	0	0
Bus Drivers, School	16	19	3	1	4
TOTAL OF ALL OCCUPATIONS	582	670	88	89	177

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

YAVAPAI COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JO3 OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	124	142	18	11	29
Financial Managers	10	12	2	0	2
Personnel, Training, & Labor Relations Mgrs.	2	2	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	4	4	0	0	0
Administrative Services Managers	2	2	0	0	0
Education Administrators	73	85	12	9	21
Food Service & Lodging Managers	2	2	0	0	0
General Managers & Top Executives	20	22	2	1	3
All Other Managers & Administrators	11	13	2	1	3
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,450	1,675	225	203	428
Accountants & Auditors	9	10	1	0	1
Budget Analysts	1	1	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	5	5	0	0	0
All Other Management Support Workers	6	7	1	0	1
Engineering & Related Techs.	1	1	0	0	0
Systems Analysts, Electronic Data Processing	3	3	0	0	0
Computer Programmers	3	3	0	0	0
Computer Programmer Aides	2	2	0	0	0
Psychologists	6	7	1	0	1
Nursing Instructors	21	24	3	2	5
Life Science Teachers	2	2	0	0	0
Chemistry Teachers	20	23	3	1	4
Physics Teachers	15	17	2	1	3
All Other Physical Science Teachers	1	1	0	0	0
Social Science Teachers	44	51	7	3	10
English & Foreign Language Teachers	64	74	10	7	17
Art, Drama, & Music Teachers	42	49	7	6	13
Engineering Teachers	54	63	9	11	20
Mathematical Science Teachers	24	28	4	1	5
Computer Science Teachers	24	28	4	1	5
All Other Postsecondary Teachers	55	64	9	6	15
Teachers, Preschool & Kindergarten	53	61	8	10	18
Teachers, Elementary School	434	503	69	89	158
Teachers, Secondary School	281	325	44	37	81
Teachers, Special Education	11	13	2	2	4
Teachers & Instructors, Voc. Ed. & Training	16	18	2	2	4
Instructors, Nonvocational Education	16	19	3	1	4
Instructors & Coaches, Sports & Physical Trng.	53	62	9	4	13
All Other Teachers & Instructors	3	3	0	0	0
Librarians, Professional	15	18	3	3	6
Technical Assistants, Library	3	3	0	0	0
Audio-Visual Specialists	2	2	0	0	0
Vocational & Educational Counselors	26	30	4	3	7
Instructional Coordinators	8	9	1	0	1
Teacher Aides, Paraprofessional	93	108	15	8	23
Registered Nurses	25	29	4	5	9
Licensed Practical Nurses	2	2	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	3	3	0	0	0
Writers & Editors	1	1	0	0	0
All Other Professional, Paraprofessional, & Technical Workers	3	3	0	0	0
SALES & RELATED OCCUPATIONS	13	14	1	0	1
Salespersons, Retail	4	4	0	0	0
Cashiers	6	7	1	0	1
All Other Sales & Related Workers	3	3	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	313	357	44	54	98
First Line Supers.-Clerical & Admin. Support	4	4	0	0	0
Library Assistants & Bookmobile Drivers	24	27	3	1	4

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

YAVAPAI COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
Teacher Aides & Ed. Assistants, Clerical	63	73	10	12	22
Secretaries	135	156	21	32	53
Typists	2	2	0	0	0
Typists, Word Processing Equipment	3	3	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	27	31	4	5	9
Payroll & Timekeeping Clerks	2	2	0	0	0
General Office Clerks	19	22	3	4	7
Computer Operators, Exc. Peripheral Equipment	2	2	0	0	0
Data Entry Keyers, Exc. Composing	2	2	0	0	0
Switchboard Operators	6	6	0	0	0
Traffic, Shipping, & Receiving Clerks	5	5	0	0	0
All Other Material Recording/Scheduling/Dist.	1	1	0	0	0
All Other Clerical & Administrative Support	18	21	3	0	3
SERVICE OCCUPATIONS	262	303	41	33	74
First Line Supers. & Mgrs./Supers. - Service	11	13	2	2	4
Crossing Guards	1	1	0	0	0
Guards & Watch Guards	21	24	3	0	3
All Other Protective Service Workers	32	37	5	4	9
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	11	13	2	0	2
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	20	23	3	4	7
Cooks, Institution or Cafeteria	25	29	4	3	7
Food Preparation Workers	38	44	6	7	13
All Other Food Service Workers	1	1	0	0	0
Nursing Aides, Orderlies, & Attendants	4	5	1	0	1
Maids & Housekeeping Cleaners	5	6	1	1	2
Janitors & Cleaners, Exc. Maids & Housekeeping	90	104	14	12	26
All Other Service Workers	3	3	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	29	34	5	3	8
Gardeners & Groundskeepers, Exc. Farm	24	28	4	3	7
All Other Agri., Forestry, Fishing, & Related	5	6	1	0	1
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	162	185	23	12	35
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	1	1	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	11	12	1	1	2
Maintenance Repairers, General Utility	60	69	9	4	13
Bus & Truck Mechs., & Diesel Eng. Specialists	8	9	1	0	1
Carpenters	7	8	1	0	1
Electricians	2	2	0	0	0
Machine Setters, Operatives, & Tenders	1	1	0	0	0
Hand Working, Inc. Assemblers & Fabricators	2	2	0	0	0
Bus Drivers, School	69	80	11	7	18
All Other Transportation & Related Workers	1	1	0	0	0
TOTAL OF ALL OCCUPATIONS	2,353	2,710	357	316	673

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

YUMA COUNTY

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	111	127	16	11	27
Financial Managers	5	6	1	0	1
Personnel, Training, & Labor Relations Mgrs.	2	2	0	0	0
Purchasing Managers	1	1	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	2	2	0	0	0
Administrative Services Managers	2	2	0	0	0
Education Administrators	74	86	12	10	22
Construction Managers	2	2	0	0	0
Food Service & Lodging Managers	2	2	0	0	0
General Managers & Top Executives	9	10	1	0	1
All Other Managers & Administrators	12	14	2	1	3
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	1,364	1,574	210	215	425
Accountants & Auditors	7	8	1	0	1
All Other Financial Specialists	1	1	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	1	1	0	0	0
All Other Management Support Workers	17	19	2	1	3
Physical & Life Science Techs.	2	2	0	0	0
Systems Analysts, Electronic Data Processing	2	2	0	0	0
Computer Programmers	2	2	0	0	0
Psychologists	10	12	2	0	2
Nursing Instructors	7	8	1	0	1
Graduate Assistants, Teaching	1	1	0	0	0
Life Science Teachers	1	1	0	0	0
Chemistry Teachers	3	3	0	0	0
Social Science Teachers	9	10	1	0	1
Health Specialties Teachers	4	5	1	0	1
English & Foreign Language Teachers	12	14	2	1	3
Art, Drama, & Music Teachers	7	8	1	1	2
Engineering Teachers	1	1	0	0	0
Mathematical Science Teachers	12	14	2	0	2
All Other Postsecondary Teachers	26	30	4	3	7
Teachers, Preschool & Kindergarten	26	30	4	5	9
Teachers, Elementary School	588	681	93	120	213
Teachers, Secondary School	284	329	45	37	82
Teachers, Special Education	107	124	17	21	38
Teachers & Instructors, Voc. Ed. & Training	28	32	4	4	8
Instructors, Nonvocational Education	107	124	17	11	28
Instructors & Coaches, Sports & Physical Trng.	3	3	0	0	0
Librarians, Professional	11	13	2	2	4
Technical Assistants, Library	2	2	0	0	0
Audio-Visual Specialists	3	3	0	0	0
Vocational & Educational Counselors	15	17	2	1	3
Instructional Coordinators	2	2	0	0	0
Teacher Aides, Paraprofessional	31	36	5	3	8
Speech Pathologists & Audiologists	2	2	0	0	0
Registered Nurses	27	31	4	5	9
All Other Professional, Paraprofessional, & Technical Workers	2	2	0	0	0
SALES & RELATED OCCUPATIONS	2	2	0	0	0
Salespersons, Retail	2	2	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	424	490	66	83	149
Library Assistants & Bookmobile Drivers	4	5	1	0	1
Teacher Aides & Ed. Assistants, Clerical	252	292	40	49	89
Secretaries	85	99	14	21	35
Typists	2	2	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	29	33	4	5	9
Payroll & Timekeeping Clerks	2	2	0	0	0
Billing, Cost & Rate Clerks	1	1	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS

EDUCATIONAL SERVICES

YUMA COUNTY (CONTD.)

	ESTIMATED APRIL 1985 EMPLOYMENT	PROJECTED APRIL 1989 EMPLOYMENT	JOB OPENINGS DUE TO GROWTH 1985-1989	JOB OPENINGS DUE TO SEPARATIONS 1985-1989	TOTAL JOB OPENINGS 1985-1989
General Office Clerks	33	38	5	7	12
Computer Operators, Exc. Peripheral Equipment	2	2	0	0	0
Data Entry Keyers, Exc. Composing	1	1	0	0	0
Switchboard Operators	5	6	1	1	2
Stock Clerks - Stockroom, Warehouse, or Yard	5	6	1	0	1
All Other Clerical & Administrative Support	3	3	0	0	0
SERVICE OCCUPATIONS	340	392	52	59	111
First Line Supers. & Mgrs./Supers. - Service	16	19	3	2	5
Crossing Guards	3	3	0	1	1
Guards & Watch Guards	9	11	2	0	2
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	147	170	23	34	57
Cooks, Institution or Cafeteria	9	10	1	1	2
Food Preparation Workers	2	2	0	0	0
Nursing Aides, Orderlies, & Attendants	2	2	0	0	0
Janitors & Cleaners, Exc. Maids & Housekeeping	147	170	23	21	44
Child Care Workers	2	2	0	0	0
All Other Service Workers	3	3	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	16	19	3	1	4
Gardeners & Groundskeepers, Exc. Farm	16	19	3	1	4
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	138	158	20	10	30
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	6	7	1	0	1
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	2	2	0	0	0
Maintenance Repairers, General Utility	20	23	3	1	4
Automotive Mechanics	2	2	0	0	0
Bus & Truck Mechs., & Diesel Eng. Specialists	11	13	2	0	2
All Other Mechanics, Installers, & Repairers	7	8	1	0	1
Carpenters	2	2	0	0	0
Electricians	1	1	0	0	0
Plant & System Occupations	1	1	0	0	0
Bus Drivers, School	84	97	13	9	22
Helpers, Laborers, & Material Movers, Hand	2	2	0	0	0
TOTAL OF ALL OCCUPATIONS	2,395	2,762	367	379	746

METHODOLOGY

Sample Selection and Response Rates

Occupational estimates for educational services were developed from a survey of employers throughout the state. Employers who were asked to participate in the survey were selected from a master employer file of firms doing business in Arizona, using standardized sampling techniques. A sample of establishments employing from four to 249 employees and all establishments having 250 or more employees were surveyed. The entire sample was composed of 362 firms with a usable response rate of 95 percent.

Employment Projections

Projecting occupational employment and demand is accomplished in two basic stages. First, total educational services employment is estimated for the target years. These forecasts are computed using an econometric model driven by forecast values for variables such as national unemployment, interest rates, and industrial production. Staffing pattern ratios, as determined by the OES survey, are then applied to the industry employment projections--representing the second stage of the forecasting methodology.

Job Openings

"Total Job Openings" represents the sum of openings resulting from expansion and replacement during the projection period. Expansion is the numerical difference in employment for a given period. Replacement represents job openings that transpire due to separations from the labor force, i.e., death, retirement, and pregnancy. The "Total Job Openings" column does not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

Limitations of the Data

The projection method does not account for cyclical, seasonal, and such external factors as sudden discontinuations or initiations of major government programs.

Employment forecasts for the nonmetropolitan counties are based on growth rates developed for the "balance of state" (Arizona less Maricopa and Pima counties) rather than for individual counties.

LABOR MARKET INFORMATION PUBLICATIONS
OCCUPATIONAL EMPLOYMENT STATISTICS, 733A
BOX 6123
PHOENIX, ARIZONA 85005

OFFICIAL BUSINESS
Penalty for Private Use
$300

POSTAGE AND FEES PAID
EMPLOYMENT SECURITY MAIL
LAB 441

FIRST CLASS MAIL

Reproduction of this publication for commercial use is prohibited by Section 39-121 Arizona Revised Statutes. Permission to reprint this publication, or parts of it, for nonprofit use may be granted upon written request, if credit will be given citing this publication and the Arizona Department of Economic Security.

This periodical is issued and printed by the Arizona Department of Economic Security as authorized by the Wagner-Peyser Act and is paid out of federal funds granted by the U.S. Department of Labor.

If you do NOT desire to continue receiving this publication, please check here ☐ and return this cover to address above.

If your address has changed, please indicate change and return this cover to the address above.

Arizona Department of Economic Security
— Moving People Toward Self-Sufficiency

50465-2.27-4

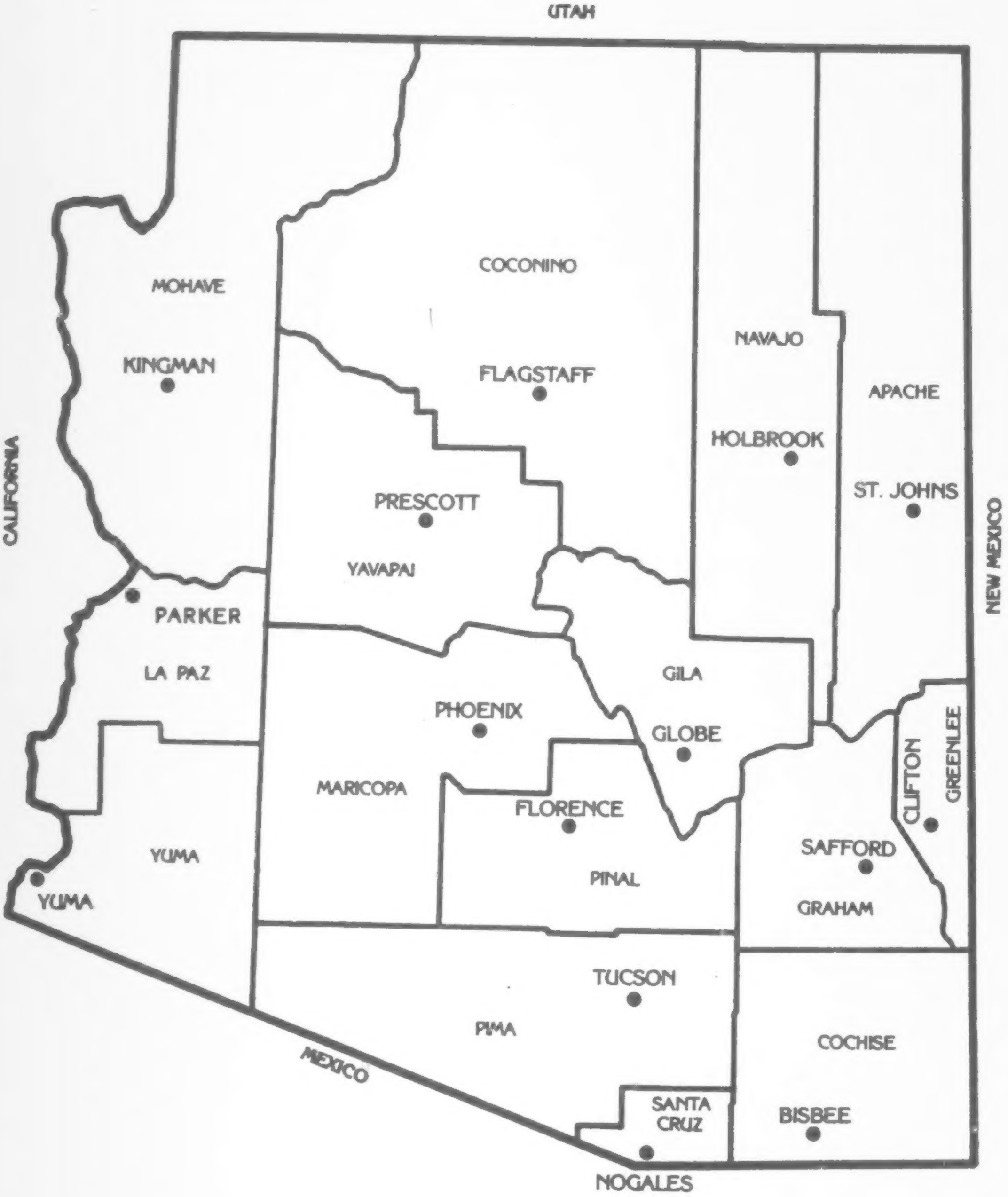
1986 - 1990

Arizona Occupational Profile

A Labor Market Information Publication
of the Department of Economic Security

Hospitals

Map of Arizona


UTAH
CALIFORNIA
NEW MEXICO
MEXICO
MOHAVE
KINGMAN
COCONINO
FLAGSTAFF
NAVAJO
HOLBROOK
APACHE
ST. JOHNS
PRESCOTT
YAVAPAI
PARKER
LA PAZ
GILA
GLOBE
PHOENIX
MARICOPA
FLORENCE
PINAL
CLIFTON
GREENLEE
SAFFORD
GRAHAM
YUMA
YUMA
TUCSON
PIMA
COCHISE
SANTA CRUZ
BISBEE
NOGALES

OCCUPATIONAL PROFILE

The value of current occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Occupational Employment Statistics (OES) Program--a cooperative effort between Arizona and the U.S. Bureau of Labor Statistics.

This Occupational Profile is one in a series of publications produced from information developed by the Occupational Employment Statistics survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey which requires the cooperation of the Arizona business community is used to collect employment data by county for over 700 occupations in Arizona. Current employment in the various occupations is then determined and an occupational outlook is formulated. The Occupational Profiles contain the survey findings and examine, individually, the following industries of Arizona:

- Construction
- Educational Services
- Finance, Insurance, and Real Estate
- Government
- Hospitals
- Lodging
- Manufacturing
- Mining
- Services
- Trade
- Transportation, Communications, and Public Utilities

Questions, requests, and comments should be direted to:

Arizona Department of Economic Security
Labor Market Information Publications, 733A
P.O. Box 6123
Phoenix, Arizona 85005-6123

INDUSTRY INFORMATION

INDUSTRY DEFINITION

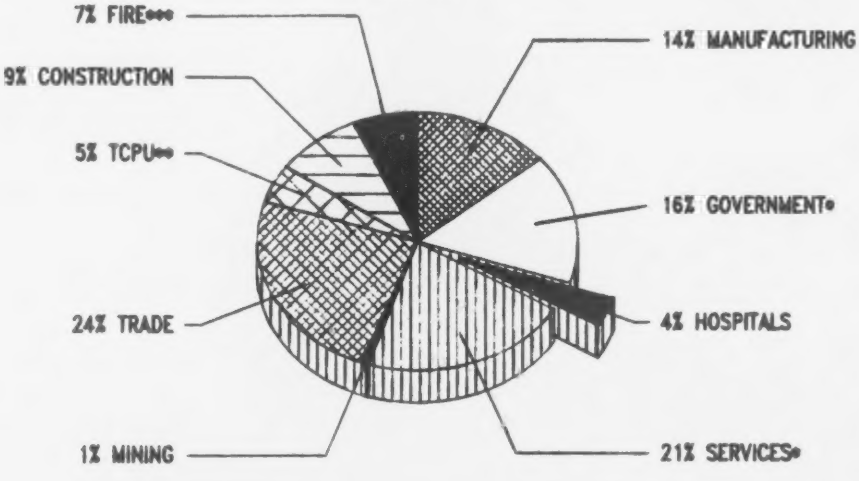
The hospital services industry includes establishments primarily engaged in providing diagnostic medical services, extensive medical treatment including surgery, continuous nursing care, and academic and research activities. These establishments have the facilities, staff, and equipment to provide comprehensive health care to patients requiring either acute or rehabilitative care. This definition of the hospital industry corresponds to the establishments found under industry-group code 806 of the Standard Industrial Classification (SIC) Manual and does not include offices of health care practitioners, nursing and personal care facilities, medical and dental laboratories, and outpatient care facilities.

The occupational employment information presented in this publication is based on data provided by the hospitals operating in Arizona in May 1986. These hospitals may be categorized as general, psychiatric, or specialty hospitals, e.g., geriatric, maternity, orthopedic, and children's hospitals. Included within the scope of this publication are private hospitals; hospitals administered by federal, state, and local governments; and those operated by firms identified with other industries, e.g., mining.

INDUSTRY CHARACTERISTICS

Hospitals are the largest employers of health workers in the state. Of the 92,500 workers in Arizona's health care delivery system, hospitals employ nearly 56 percent. Representing 3.8 percent of all workers in Arizona, hospitals in the state employed about 51,500 in 1986.

ARIZONA NONAGRICULTURAL EMPLOYMENT
1986



* EXCLUDES HOSPITALS
** TCPU = TRANSPORTATION, COMMUNICATIONS, AND PUBLIC UTILITIES
*** FIRE = FINANCE, INSURANCE, AND REAL ESTATE

Although most hospitals in the state are privately owned (71), the majority (54) are operated on a nonprofit basis. State and local governments administer seven of the 96 hospitals operating in Arizona. Federal hospitals, on the other hand, include four military facilities, 11 Public Health Service (PHS) or Indian Hospitals, and three Veterans Administration facilities.

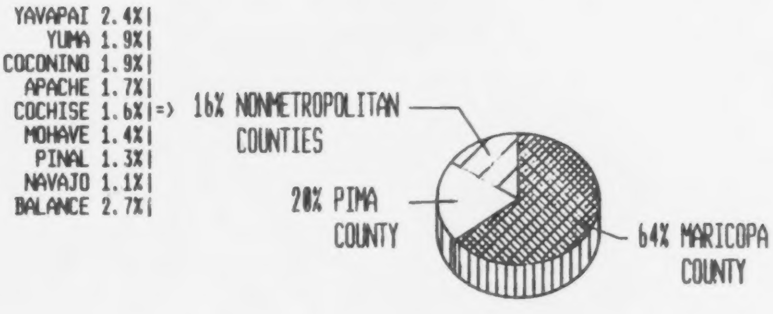
The table on the opposite page presents the latest available list of hospital facilities in Arizona. It was derived from information provided by the Office of Health Economics and Facilities Review of the Arizona Department of Health Services. This table lists facilities that meet the state's licensure requirements and it varies slightly from the list of hospitals surveyed in May of 1986.

Although in a period of rapid change and redefinition of roles, hospitals may still be regarded as belonging in one of the three previously mentioned categories: general, psychiatric, or specialty. General hospitals employ the majority of hospital workers and represent 81 percent of all hospitals in the state. These hospitals are primarily engaged in rendering care for patients with medical conditions that require medical and surgical treatment as well as inpatient care.

Psychiatric hospitals are primarily involved in providing diagnostic medical services and inpatient treatment for the mentally ill. During the last five years, the number of psychiatric hospitals in Arizona has nearly tripled, totaling 17 by the end of 1987.

Specialty hospitals, except psychiatric, provide services to patients with specific illnesses and conditions such as tuberculosis; orthopedic disorders; chronic diseases; maternity; and ear, nose, and throat ailments. Also classified in this category are geriatric and children's hospitals and others that specialize in treating conditions common to certain segments of the population. In Arizona, there is one specialty hospital, other than psychiatric, which is located in Phoenix. Increasingly, general hospitals are providing treatment for conditions that were once treated at specialty hospitals.

GEOGRAPHIC DISTRIBUTION OF HOSPITAL EMPLOYMENT
MAY 1986



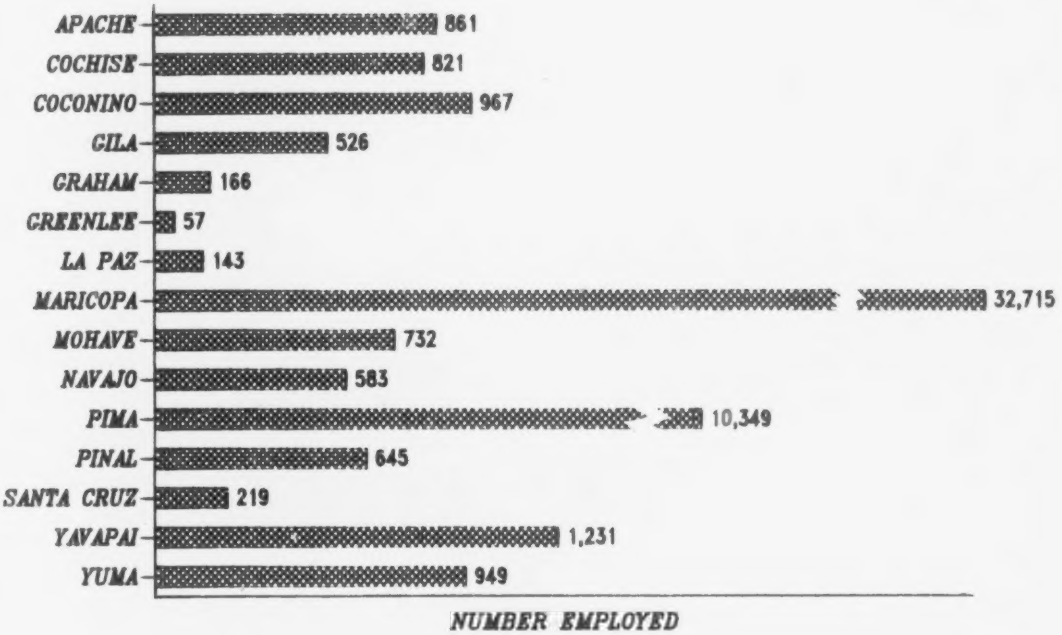
1987 ARIZONA HOSPITALS AT A GLANCE

COUNTY	FACILITIES	BEDS	CATEGORY	OWNERSHIP
Apache	4	241	General	Private (2) Federal-PHS* (2)
Cochise	7	403	General (6) Psychiatric (1)	Private (6) Federal-Army (1)
Coconino	3	243	General	Private (2) Federal-PHS (1)
Gila	4	278	General	Private (2) Federal-PHS (1) State or Local Govt. (1)
Graham	1	42	General	Private
La Paz	2	59	General	Private (1) Federal-PHS (1)
Maricopa	42	8,691	General (29) Psychiatric (12) Specialty (1)	Private (34) Federal (4) Air Force (2) Veterans Adm. (1) PHS (1) State or Local Govt. (4)
Mohave	3	203	General	Private
Navajo	5	212	General	Private (3) Federal-PHS (2)
Pima	15	3,109	General (11) Psychiatric (4)	Private (11) Federal (3) Air Force (1) Veterans Adm. (1) PHS (1) State or Local Govt. (1)
Pinal	4	241	General	Private (2) Federal-PHS (1) State or Local Govt. (1)
Santa Cruz	1	49	General	Private
Yavapai	3	445	General	Private (2) Federal-Veterans Adm. (1)
Yuma	2	300	General	Private (1) Federal-PHS (1)
STATEWIDE	96	14,421	General (78) Psychiatric (17 Specialty (1)	Private (71) Federal (18) State or Local Govt. (7)

* Public Health Service

The geographic distribution of hospital employment resembles the distribution of total employment in Arizona. Nearly 85 percent is concentrated in the two metropolitan areas. The facilities, however, are more evenly distributed throughout the state--about 60 percent in Maricopa and Pima counties and 40 percent in the lesser populated areas of the state. Yet, metropolitan hospitals, with an average of 200 beds per facility, have nearly four times the capacity of their rural counterparts.

DISTRIBUTION OF HOSPITAL EMPLOYMENT BY COUNTY

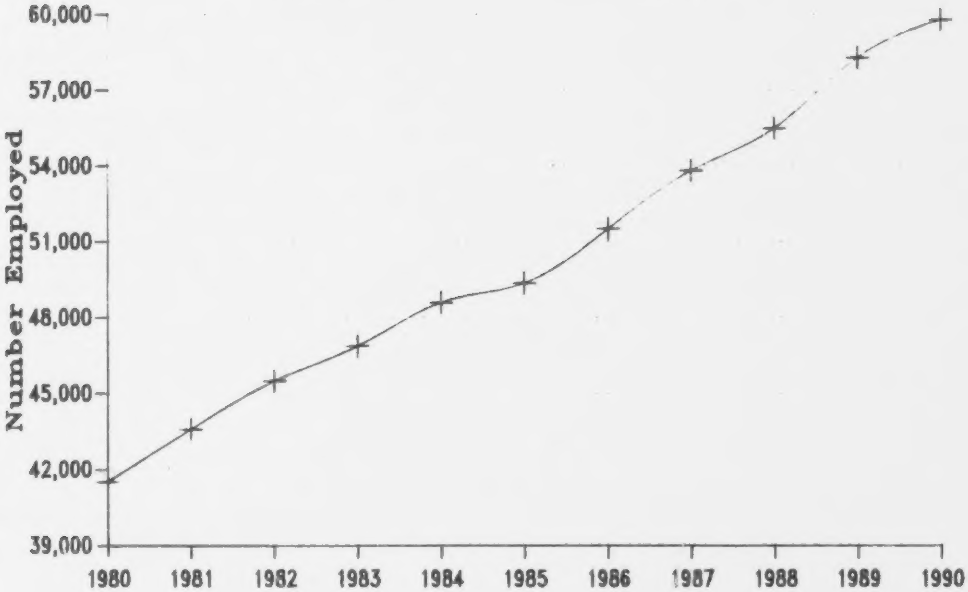


INDUSTRY TRENDS

Since the last recession, employment growth in Arizona has kept pace with the substantial population increase. Hospital employment, however, which traditionally had double the growth rate of the state's employment, has shown weaker growth since 1982. Between 1982 and 1986, hospital employment expanded by 6,000, or 13 percent, whereas Arizona's total employment rose by 30.3 percent. During the same period, out-patient care facilities as well as nursing and personal care facilities had growth rates double that of the state's total employment, with 57.4 and 66.8 percent.

Between 1980 and 1986, employment in government hospitals declined by nearly 2,000 or 13.2 percent, while that in private hospitals posted a 43.1 percent gain. Budgetary constraints and the trend toward privatization have contributed to the decline of government hospital employment. But because most hospital workers are employed by private hospitals, employment growth for Arizona's hospital industry averaged 24 percent from 1980 to 1986.

HOSPITAL EMPLOYMENT GROWTH 1980 - 1986 AND PROJECTIONS 1987 - 1990



Nationally, hospital employment growth averaged 3.5 percent annually from 1977 to 1982. In 1983, however, hospital employment slowed its pace of growth to 2.5 percent, followed by a 1.8 percent decline or 73,000 lost jobs in 1984 and a 1 percent decline or 37,000 in 1985.

Although the demand for health care throughout the nation remains strong as the population ages, hospital employment growth is expected to be moderate with an annual 1 percent through the year 2000. On the other hand, sectors in health care such as outpatient facilities and miscellaneous health services, nursing and personal care facilities, and offices of health practitioners, are among the nation's fastest growing industries.

The health care delivery system is undergoing substantial changes which will have implications on future employment in the hospital industry. In addition to the demographic trends and advances in medical technologies, rising costs of health care will continue to be a central factor in the development of these changes.

Prior to the 1970s, consumers were responsible for nearly one-half of the cost of their health care and many people could not afford it. But as a result of efforts to provide better access to health care, the payment responsibility shifted from the consumer to insurance companies and government programs. Currently, these two sources provide 90 percent of all hospital care expenditures. The shift in financial responsibility encouraged the performance of new tests and procedures, and fostered the application of new technologies, such as nuclear magnetic resonance, CAT scans, nuclear medicine, ultrasound, and preventive surgical procedures including coronary bypass surgery. But along with technology and new procedures came rising costs.

In the early 1980s, the cumulative effect of inflation, recession, and escalating costs of health benefits threatened the solvency of the Medicare system. In 1983, the Social Security amendment mandated a new system for hospital payments in an attempt to limit the rising costs of health care. Under the new system, hospitals are compensated according to a predetermined average cost of patient care. Different rates are assigned for each of the 467 diagnosis-related groups (DRGs), and hospitals are reimbursed according to that schedule. The DRG-based payment system allows hospitals to retain any savings or to absorb any expenses in excess of the amount allocated for the corresponding DRG. Hospitals are thus encouraged to keep their costs down. Under the previous system, Medicare reimbursed hospitals for any amount spent.

The industry has responded to the new DRG-based system with procedures to manage admissions and patient flow, monitor the number of tests and interventions ordered by physicians, and control operating expenditures. Data from the American Hospital Association indicate that, since the beginning of 1983, there has been some shift in hospital utilization. The average length-of-stay of patients over 65 years of age dropped to 8.8 days in 1984 from 10.1 days in 1982. In addition, there has been a sharp decline in admissions of all patients under 65. Among the most likely reasons for these shifts in hospital utilization are the built-in incentives of the DRG-based reimbursement system as well as technological developments that have enabled the substitution of ambulatory services for inpatient care, and the use of laser technology which has drastically reduced inpatient recovery periods.

The reduction in demand for inpatient services has prompted hospitals to broaden their range of programs and services, particularly with those unrestricted by DRG schedules. Services, such as hospice care, rehabilitation, alcohol and other drug-dependency treatments, birthing centers, outpatient surgery, geriatric assessment, cancer screening, health education, and even sports-medicine programs are increasingly becoming part of many hospitals' regular services.

Representing over 50 percent of community hospitals' operating budgets, labor costs receive scrutiny when budgetary reductions are on the horizon. Hospital representatives most often cite cost-containment initiatives as among the main reasons for declines in hospital employment growth. A growing trend in this industry is to reduce unnecessary personnel through attrition and, to a lesser extent, hiring freezes.

Shorter hospital stays and substitution of outpatient for inpatient services have not only suppressed hospital employment growth, but have indirectly fostered the unprecedented growth of other health industries, such as health maintenance organizations (HMOs), nursing care facilities, and offices of health practitioners. On the other hand, employment expansion in the hospital industry can be attributed, for the most part, to the increase in the number of tests, procedures, surgical interventions for previously untreatable or undiagnosed conditions, and to the diversification of services. To supplement the demand for personnel in these areas, hospitals are contracting services, hiring part-time workers, and maintaining a number of on-call staff.

In general, elements reshaping the hospital industry nationally are also impacting the hospital industry in Arizona. But in Arizona, there is also a unique set of socioeconomic forces influencing the growth of the industry. Population growth, in particular, has been a driving force behind the growth of all industries in the state and especially the hospital industry. Although population growth in Arizona has begun to taper down, approximately 100,000 new residents have been added to the state's population each year since 1980. During that time, Arizona's private hospitals expanded 7.2 percent annually. In the coming years, however, the projected growth rate for employment in hospitals is 4.1 percent annually.

Although employment in Arizona's health care delivery system will continue to expand at a faster rate than the economy as a whole, the growth rates of the different components of the health industry will vary significantly. From 1986 to 1990, Arizona's hospital employment will expand approximately 17 percent, whereas nursing and personal care facilities as well as outpatient care facilities will increase employment by nearly 26 percent.

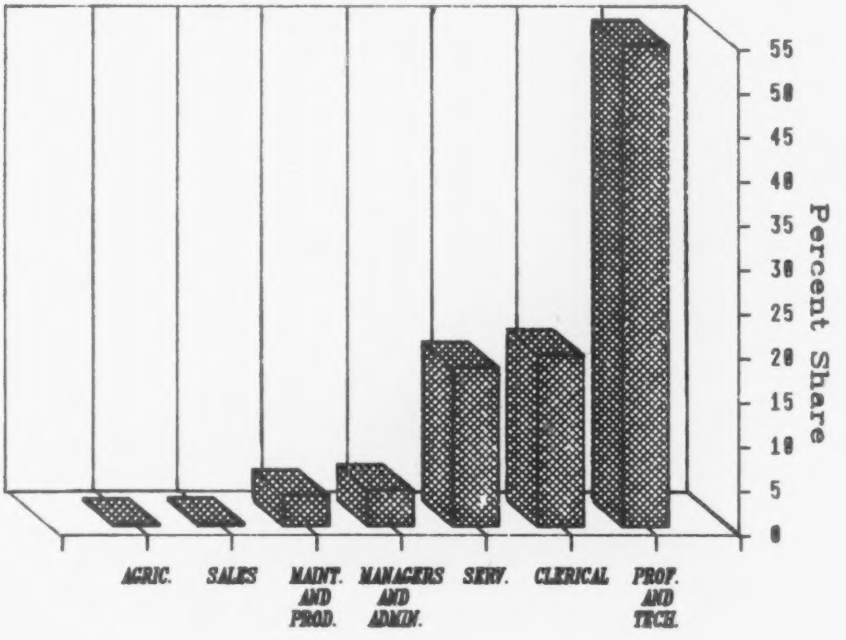
The hospital industry is expected to continue its evolution, particularly in acute, geriatric, and long-term care, in response to the aging of the population. Furthermore, the entire health care delivery system also will continue to evolve in response to demographic, social, technological, and economic changes.

OCCUPATIONAL INFORMATION

Hospital employees are engaged in a broad range of medical and administrative activities requiring a variety of occupational skills. In addition to the medical personnel that we traditionally associate with this industry, hospitals also employ accountants and auditors, engineers, librarians, and other seemingly unrelated occupations. In some respects, the hospital resembles and incorporates activities usually found in commercial enterprises. In addition to the business, administrative, and service departments common to commercial firms, hospitals often include dietary services, a power plant, and maintenance staff. Above all, however, the hospital brings together various types of personnel and facilities for specific lifesaving efforts and related public health, educational, and research activities.

Although the hospital environment encompasses personnel with a variety of occupational skills, the bulk of hospital employment is in health-related occupations that are of a professional or technical nature. Led by 14,444 registered nurses (RNs), the "professional, paraprofessional, and technical workers" category accounts for 54.5 percent of the state's hospital employment. Along with registered nurses, there are a variety of other numerically prominent health practitioners including 2,434 licensed practical nurses (LPNs), 1,025 physicians and surgeons, and 1,158 medical and clinical laboratory technologists.

MAJOR OCCUPATIONAL CATEGORIES
HOSPITALS - 1986



In Arizona, as in the rest of the nation, the hospital industry has undergone substantial changes which have impacted not only employment growth, but occupational composition as well. Between 1980 and 1986, the professional, paraprofessional, and technical workers occupational category gained a 4.3 percent share of Arizona's hospital employment. This increase, for the most part, is attributable to the rising proportion of RNs and medical and clinical laboratory technologists. On the other hand, hospitals are not employing LPNs at the proportional levels of 1980. In 1980, LPNs represented 5.9 percent of Arizona's hospital workers, and only 4.8 percent in 1986.

OCCUPATIONAL STRUCTURE 1980 AND 1986
HOSPITALS

	1980 %	1986 %	1980-1986 CHANGE (Percentage Points)
Managerial and Administrative	4.2	4.1	-.1
Professional, Paraprofessional, and Technical	50.2	54.5	4.3
Sales and Related	.1	.3	.2
Clerical and Administrative Support	18.1	19.4	1.3
Service	23.5	18.0	-5.5
Agricultural, Forestry, and Related	0	.2	.2
Production, Maintenance, and Material Handling	3.9	3.5	-.4
TOTAL	100%	100%	---

Proportionally, the second-largest occupational category in 1980 was service. But in 1986, service became the third-largest occupational category in hospitals losing 5.5 percentage points of its employment share to the clerical and administrative support group. The losses in the service category can be traced to a lower representation of nursing aides, orderlies, and attendants on hospital payrolls (5.2 percent), whereas gains in the clerical and administrative support group are attributable to increases in general office clerks (2.0 percent).

Over 8 percent of all new jobs created in Arizona between 1986 and 1990 will be in the health care delivery system. Of these 15,600 new jobs, nearly 9,000 will be in hospitals. Although the hospital industry is expected to grow more slowly than other sectors in health services, it will hire the majority of workers through 1990 because the hospitals employ 56 percent of the state's health workers. In addition, 9,922 openings will result from workers leaving the labor force (separations), and many more as employees leave one job to take another (turnover).

Few job seekers will find a greater number of opportunities than those aspiring to be registered nurses. Hospitals in Arizona will need approximately 5,800 additional RNs by 1990. The strong demand for RNs is, in part, a function of their training, which permits them to work effectively in a variety of roles and employment settings. The growth of intensive care, coronary care, and other special units for seriously ill patients has strengthened the demand for clinically specialized nursing personnel.

Nevertheless, the percentage of college freshmen pursuing a nursing career has declined 50 percent over the past ten years. Already, the decline of nursing-school enrollments is impacting the supply of registered nurses available to hospitals. The undersupply of RNs represents a serious challenge for the hospital industry, since hospitals employ two out of every three RNs. On the other hand, as the competition for qualified RNs intensifies and hospitals are faced with shortages, salaries and career prospects for these professionals are expected to improve.

Because of the versatility of RNs, hospitals are relying more on RNs and less on LPNs and nursing aides. Cost containment measures and the use of sophisticated technologies are contributing to this trend. Because of shifting roles, however, it is expected that the lower demand for hospital LPNs will be offset by growing demand for LPNs in home health agencies, nursing homes, clinics, and other establishments assuming responsibilities formerly claimed by hospitals.

Nursing aides, orderlies, and attendants represent the second largest occupational group in hospitals. With employment of 2,624 in 1986, nursing aides, orderlies, and attendants are expected to number 3,082 by 1990. Employment growth in these occupations should be higher in nursing home facilities than in the hospital industry. Replacement needs will be an additional source of job openings for workers, as high separation and turnover rates are common in these occupations.

Demand for physicians is heightened by a growing and aging population, the widespread access to medical care, and increases in medical research. Nevertheless, the supply of physicians will remain high through the 1990s, particularly in large metropolitan areas. In 1984, one-fourth of all physicians were in residency programs or full-time staff members in hospitals. For the foreseeable future, however, HMOs and other outpatient care facilities will continue to add salaried physicians to their payrolls diminishing the number of practitioners who charge on a fee-for-service basis. Projections indicate that by 1990 hospitals in the state will employ 1,200 physicians, approximately 175 more than in 1986.

As already mentioned, the hospital industry is contracting personnel services from temporary employment agencies and professional contractors in coping with variations in supply, demand, and cost of labor. This practice is, in part, influencing the projected employment in occupations often contracted, such as physicians and surgeons, nurses, clerks, and personnel in administrative support, because these workers are not included on hospital payrolls.

Employment of medical technologists and technicians in hospitals is expected to grow more slowly than in the past. Prompted by the new payment system for hospital care, cost-containment measures are likely to shift some laboratory testing from hospitals to other health establishments. Hospitals are also eliminating nonessential routine tests and incorporating improved laboratory procedures. In settings such as commercial laboratories, physicians offices, HMOs, and ambulatory care clinics, employment of laboratory personnel is expected to rise more rapidly than in the hospital industry.

OCCUPATIONS WITH OVER 200 JOBS IN ARIZONA'S HOSPITALS

	Employment 1986	Job Openings* 1986-1990
Registered Nurses	14,444	5,777
Nursing Aides, Orderlies, and Attendants	2,624	1,064
General Office Clerks	2,448	991
Licensed Practical Nurses	2,434	1,054
Maids and Housekeeping Cleaners	1,838	812
Medical and Clinical Laboratory Technologists	1,158	438
Public Relations Specialists and Publicity Writers	1,105	370
Medicine and Health Services Managers	1,034	334
Physicians and Surgeons	1,025	295
Typists	821	372
Food Preparation Workers	815	300
Secretaries (Excluding Medical)	786	333
Interviewing Clerks, Excluding Personnel and Social Welfare	677	231
Radiologic Technologists	653	231
Food Servers, Outside	640	187
Respiratory Therapists	610	209
Medical Secretaries	605	261
Pharmacists	576	205
Stock Clerks-Stockroom, Warehouse, or Storeyard	565	151
Social Workers, Medical and Psychiatric	561	203
Medical and Clinical Laboratory Technicians	526	170
Billing, Cost, and Rate Clerks	521	206
Statistical Clerks	515	207
First Line Supervisors-Clerical and Administrative Support	480	143
Psychiatric Aides	399	159
Cooks, Institution or Cafeteria	389	126
Surgical Technicians	376	119
All Other Management Support Workers	369	104
Maintenance Repairers, General Utility	359	82
Pharmacy Assistants	336	137
Radiologic Technicians	333	112
Switchboard Operators	332	154
Medical Records Technicians and Technologists	323	147
Medical Assistants	311	123
Physical Therapists	308	103
Bookkeeping, Accounting, and Auditing Clerks	291	109
All Other Clerical and Administrative Support Workers	284	54
All Other Material Recording/Scheduling/Distribution Workers	264	75
Physical and Corrective Therapy Assistants and Aides	262	103
Guards and Watch Guards	258	53
All Other Managers and Administrators	248	70
Data Entry Keyers, Excluding Composing	235	63
All Other Health Service Workers	234	57
General Managers and Top Executives	230	64
Receptionists and Information Clerks	212	84

* Excludes job opportunities resulting from turnover.

Few occupations reflect the impact of scientific advances as much as technical workers in hospitals. Computerized tomography (CT), CAT scans, ultrasound, nuclear magnetic resonance (NMR), and digital radiography procedures are expected to be followed by new generations of devices and techniques requiring more sophisticated technical skills. For example, an area of laboratory testing that is likely to expand in the coming years is immunodiagnostics, which may enable identification of major diseases in early or presymptomatic stages. In 1986, approximately 1,684 medical technologists and technicians worked in hospitals in Arizona, representing 3.3 percent of all hospital workers.

Technological advances are also manifesting themselves in hospital offices where computers are increasing productivity levels. From intake to discharge, various applications of computer technology are being incorporated. Particularly in medical records offices, technicians with proficient computer coding skills will continue to be in demand.

Despite automation of office procedures, clerical and administrative support occupations have increased their share of hospital employment during the 1980s. Rather than significantly suppressing employment levels in these occupations, automation is redefining many of the tasks performed by clerical personnel. Also, clerical occupations related to the fulfillment of DRG coding and billing requirements, such as general office clerks, interviewing clerks, typists, secretaries, and billing clerks will see the greatest number of job openings during the projection period.

About 1,900 managers and administrative personnel were planning, coordinating, and evaluating hospital activities in Arizona in 1986. Nearly 50 percent of these workers were medical and health services managers while the balance performed a wide range of administrative functions. An increasingly competitive health care system will require skilled health services managers and specialists in such areas as finance, marketing and public relations, information systems, and purchasing.

Workers in production, material handling, and maintenance occupations totaled 1,800 and represented 3.5 percent of the industry's employment in 1986. General utility maintenance workers were the most prominent with employment of 360. Laundry and dry cleaning operators and tenders numbered 168, followed by stationary engineers with employment of 123. Between 1985 and 1990, employment in occupations that depend on hospital inpatient census (i.e., laundry, housekeeping, and patient transport) will likely remain at the same level, and hiring is expected to be limited to replacement needs.

●●●

OCCUPATIONAL STRUCTURE

The following tables provide employment estimates and projected employment and job openings for the counties and the state.

When using the data, please note the following:

1. Hospital employment growth in each of the nonmetropolitan counties reflects the rate calculated for the "balance of state" (Arizona less Maricopa and Pima counties).

2. The data reflect full- and part-time wage and salary employment only, and do not include self-employed or unpaid family workers.

3. Total job openings represent the number of openings due to growth of the industry and separations from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

4. The projection technique does not possess the degree of accuracy that may be implied by unrounded numbers.

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

STATEWIDE

	ESTIMATED MAY 1986 EMPLOYMENT	PERCENT OF MAY 1986 EMPLOYMENT	ESTIMATED MAY 1987 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	2,112	4.1	2,227	2,474	632
Financial Managers	141	.3	148	165	42
Personnel, Training, & Labor Relations Mgrs.	107	.2	112	126	32
Purchasing Managers	41	.1	42	48	8
Marketing, Advertising, & Public Rel. Mgrs.	72	.1	76	83	18
Administrative Services Managers	74	.1	78	86	19
Engineering, Mathematical & Natural Sciences Managers	93	.2	98	108	25
Medicine & Health Services Managers	1,034	2.0	1,092	1,213	334
Food Service & Lodging Managers	72	.1	76	84	20
General Managers & Top Executives	230	.5	242	271	64
All Other Managers & Administrators	248	.5	263	290	70
PROFESSIONAL, PARAPROFESSIONAL, TECHNICAL	27,761	54.5	29,334	32,547	10,386
Management Support Occupations	846	1.7	895	988	230
Accountants & Auditors	112	.2	119	131	33
Budget Analysts	27	.1	28	31	5
All Other Financial Specialists	33	.1	35	39	9
Purchasing Agents, Exc. Wholesale, Retail, & Farm	133	.3	140	155	34
Personnel, Training, & Labor Rel. Specialists	158	.3	167	186	42
Compliance & Enforcement Inspectors, Exc. Const.	14	0	15	16	3
All Other Management Support Workers	369	.7	391	430	104
Engineering & Related Occupations	147	.3	153	170	24
Civil Engineers, Incl. Traffic	20	0	20	23	3
Electrical & Electronic Engineers	5	0	5	6	1
Industrial Engineers, Exc. Safety	2	0	2	2	0
Mechanical Engineers	20	0	21	24	4
All Other Engineers	30	.1	32	35	5
Civil Engineering Technicians & Technologists	11	0	11	12	1
Electrical/Electronic Engineering Technicians	31	.1	33	36	6
Mechanical Engineering Techs.	7	0	7	8	1
Drafters	8	0	8	9	1
All Other Engineering & Related Technicians	13	0	14	15	2
Natural Scientists & Related Occupations	119	.2	126	139	29
Biological Scientists	59	.1	62	70	17
Medical Scientists	33	.1	35	39	8
Biological, Agri., & Food Techs., Exc. Health	8	0	9	9	1
Chemical Techs., Exc. Health	14	0	15	16	3
All Other Physical & Life Science Techs.	5	0	5	5	0
Computer, Math, Research, & Related Occupations	192	.4	204	223	39
Systems Analysts, Electronic Data Processing	132	.3	140	154	26
Computer Programmers	21	0	22	24	3
Computer Programmer Aides	39	.1	42	45	10
Social, Recreational, & Related Occupations	818	1.6	864	963	275
Psychologists	65	.1	69	76	15
Social Workers, Medical & Psychiatric	561	1.1	593	660	203
Social Workers, Exc. Medical & Psychiatric	65	.1	69	76	21
Social Service Technicians	77	.2	80	91	21
Clergy	50	.1	53	60	15
Teachers, Librarians, & Related Occupations	210	.4	220	243	58
Nursing Instructors	107	.2	113	124	26
Teachers & Instructors, Voc. Ed. & Training	39	.1	41	45	12
All Other Teachers & Instructors	40	.1	42	46	13
Librarians, Professional	15	0	15	17	4
Technical Assistants, Library	9	0	9	11	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

STATEWIDE (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PERCENT OF MAY 1986 EMPLOYMENT	ESTIMATED MAY 1987 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990
Health Practitioners, Techs., & Related	25,234	49.5	26,665	29,594	9,681
Physicians & Surgeons	1,025	2.0	1,087	1,195	295
Dentists	40	.1	41	46	7
Optometrists	11	0	11	13	2
Podiatrists	6	0	6	7	1
All Other Health Diagnosing & Treating Practitioners	2	0	2	2	0
Respiratory Therapists	610	1.2	644	718	209
Occupational Therapists	147	.3	155	173	49
Physical Therapists	308	.6	324	362	103
Corrective & Manual Arts Therapists	8	0	8	9	2
Speech Pathologists & Audiologists	101	.2	107	119	34
Recreational Therapists	71	.1	75	82	22
All Other Therapists	72	.1	76	84	23
Registered Nurses	14,444	28.3	15,282	16,939	5,777
Licensed Practical Nurses	2,434	4.8	2,568	2,852	1,054
Emergency Medical Technicians	172	3.4	181	202	55
Physician Assistants	48	.1	49	56	15
Opticians, Dispensing & Measuring	1	0	1	1	0
Pharmacists	576	1.1	606	678	205
Dietitians & Nutritionists	178	.3	187	209	65
Dietetic Technicians	199	.4	211	233	77
Medical & Clinical Laboratory Technologists	1,158	2.3	1,220	1,363	438
Medical & Clinical Laboratory Technicians	526	1.0	554	618	170
Dental Hygienists	19	0	21	24	7
Medical Records Technicians & Technologists	323	.6	339	378	147
Nuclear Medicine Technologists	105	.2	111	123	35
Radiologic Technologists	653	1.3	690	766	231
Radiologic Technicians	333	.7	350	390	112
Electroencephalograph Techs.	51	.1	54	60	16
Electrocardiograph Techs.	132	.3	139	155	41
Surgical Technicians	376	.7	396	442	119
All Other Health Professionals, Paraprofessionals, & Technicians	1,105	2.2	1,170	1,295	370
Writers, Artists, Athletes, & Related	69	.1	73	80	17
Public Rel. Specialists & Publicity Writers	54	.1	57	63	15
Photographers	15	0	16	17	2
All Other Professional, Paraprofessional, & Technical Workers	126	.2	134	147	33
SALES & RELATED OCCUPATIONS	171	.3	180	200	59
Cashiers	120	.2	126	141	46
All Other Sales & Related Workers	51	.1	54	59	13
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	9,895	19.4	10,441	11,574	3,725
General Office Occupations	7,960	15.6	8,402	9,332	3,159
First Line Supers.-Clerical & Admin. Support	480	.9	505	563	143
Adjustment Clerks	136	.3	142	160	52
Medical Secretaries	605	1.2	639	711	261
All Other Secretaries	786	1.5	833	917	333
Stenographers	36	.1	37	42	12
Receptionists & Information Clerks	212	.4	225	248	84
Typists	821	1.6	868	960	372
Typists, Word Processing Equipment	50	.1	53	58	14
Personnel Clerks, Exc. Payroll & Timekeeping	109	.2	115	129	49
File Clerks	118	.2	124	139	53
Order Clerks - Materials, Merch., & Service	27	.1	28	32	9
Procurement Clerks	63	.1	65	72	12
Statistical Clerks	515	1.0	541	607	207
Interviewing Clerks, Exc. Personnel & Welfare	677	1.3	715	795	231

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

STATEWIDE (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PERCENT OF MAY 1986 EMPLOYMENT	ESTIMATED MAY 1987 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990
Bookkeeping, Accounting, & Auditing Clerks	291	.6	306	341	109
Payroll & Timekeeping Clerks	65	.1	68	76	21
Billing, Cost & Rate Clerks	521	1.0	550	610	206
General Office Clerks	2,448	4.8	2,588	2,872	991
Office Machine Operators	429	.8	452	502	116
Billing, Posting, & Calculating Machine Opers.	3	0	3	3	0
Computer Operators, Exc. Peripheral Equipment	176	.3	186	205	46
Data Entry Keyers, Exc. Composing	235	.5	247	276	63
Switchboard Operators	332	.7	349	392	154
All Other Office Machine Operators	15	0	16	18	7
Material Distribution & Recording Occupations	890	1.7	940	1,043	242
Dispatchers - Police, Fire, & Ambulance	19	0	20	23	5
Stock Clerks - Stockroom, Warehouse, or Yard	565	1.1	596	662	151
Traffic, Shipping, & Receiving Clerks	42	.1	44	50	11
All Other Material Recording/Scheduling/Dist.	264	.5	280	308	75
All Other Clerical & Administrative Support Workers	284	.6	298	335	54
SERVICE OCCUPATIONS	9,149	18.0	9,642	10,745	3,468
Housekeepers	158	.3	165	187	51
All Other Service Supervisors & Managers	192	.4	202	225	69
Guards & Watch Guards	258	.5	272	303	53
Food & Beverage Preparation	1,981	3.9	2,086	2,332	657
Waiters & Waitresses	22	0	23	26	9
Food Servers, Outside	640	1.3	676	752	187
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	22	0	23	27	5
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	35	.1	37	41	13
Bakers, Bread & Pastry	13	0	13	15	4
Cooks, Institution or Cafeteria	389	.8	407	458	126
Cooks, Short Order	25	0	27	29	7
Food Preparation Workers	815	1.6	859	960	300
All Other Food Service Workers	20	0	21	24	6
Health Services & Related Occupations	4,465	8.8	4,708	5,236	1,739
Dental Assistants	67	.1	68	77	26
Medical Assistants	311	.6	330	362	123
Nursing Aides, Orderlies, & Attendants	2,624	5.1	2,764	3,082	1,064
Home Health Aides	154	.3	164	180	44
Psychiatric Aides	399	.8	423	467	159
Physical & Corrective Therapy Assists./Aides	262	.5	277	306	103
Occupational Therapy Assistants & Aides	44	.1	47	52	17
Ambulance Drivers & Attendants - Exc. Emergency Medical Technicians	34	.1	36	40	9
Pharmacy Assistants	336	.7	353	396	137
All Other Health Service Workers	234	.5	246	274	57
Cleaning & Building Services Occupations	2,028	4.0	2,138	2,384	874
Maids & Housekeeping Cleaners	1,838	3.6	1,939	2,159	812
Janitors & Cleaners, Exc. Maids & Housekeeping	177	.3	185	210	58
All Other Cleaning/Building Service, Exc. Private House	13	0	14	15	4
Personal Service Occupations	37	.1	39	43	14
Social Welfare Service Aides	19	0	20	22	6
Child Care Workers	18	0	19	21	8
All Other Service Workers	30	.1	32	35	11

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

STATEWIDE (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PERCENT OF MAY 1986 EMPLOYMENT	ESTIMATED MAY 1987 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	80	.2	84	92	22
First Line Supervisors - Agri., Forestry, & Rel.	6	0	6	7	1
Gardeners & Groundskeepers, Exc. Farm	74	.1	78	85	21
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	1,796	3.5	1,889	2,101	429
First Line Supervisors & Managers - Prod. & Rel.	156	.3	164	183	44
First Line Managers/Supervisors - Mechanics/Installers/Repairers	99	.2	104	117	28
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	57	.1	60	66	16
Mechanics, Installers, & Repairers	646	1.3	679	754	142
Machinery Maintenance Mechanics	66	.1	70	76	12
Maintenance Repairers, General Utility	359	.7	377	420	82
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	64	.1	68	75	14
Electromedical & Biomedical Equip. Repairers	125	.2	131	147	29
Menders - Garments, Linens, & Related	7	0	7	7	0
All Other Mechanics, Installers, & Repairers	25	0	26	29	5
Construction Trades & Extraction	281	.6	296	328	66
Carpenters	89	.2	94	103	21
Electricians	78	.2	83	91	18
Painters & Paperhangers - Construction & Maintenance	56	.1	59	65	14
Plumbers, Pipefitters, & Steamfitters	49	.1	51	58	11
All Other Construction & Extraction Workers, Exc. Helpers	9	0	9	11	2
Precision Production Occupations	53	.1	56	63	13
Machine Setters, Operatives, & Tenders	202	.4	211	235	52
Laundry/Drycleaning Mach. Opers., Exc. Pressing	168	.3	176	197	47
Pressing Machine Opers. - Textile & Garments	8	0	9	9	2
Boiler Operators & Tenders, Low Pressure	17	0	17	19	2
All Other Machine Setters & Set-Up Operators	3	0	3	3	0
All Other Machine Operators & Tenders	6	0	6	7	1
Hand Working, Inc. Assemblers & Fabricators	61	.1	65	71	16
Stationary Engineers	123	.2	130	144	33
Transportation, Material Moving Equipment	135	.3	142	160	28
Truck Drivers, Light - Incl. Delivery & Route	91	.2	96	108	19
All Other Motor Vehicle Operators	24	0	25	28	5
Parking Lot Attendants	13	0	14	15	2
All Other Transportation & Moving Equip. Operators	7	0	7	9	2
Helpers, Laborers, & Material Movers, Hand	139	.3	146	163	35
TOTAL ALL OCCUPATIONS	50,964	100.0	53,797	59,763	18,721

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

APACHE COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	25	28	4	3	1
Financial Managers	1	1	0	0	0
Purchasing Managers	1	1	0	0	0
Administrative Services Managers	2	2	0	0	0
Engineering, Mathematical & Natural Sciences Managers	1	1	0	0	0
Medicine & Health Services Managers	12	14	3	2	1
General Managers & Top Executives	6	7	1	1	0
All Other Managers & Administrators	2	2	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	427	500	147	73	74
Budget Analysts	3	4	1	1	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	2	2	0	0	0
Personnel, Training, & Labor Rel. Specialists	3	4	1	1	0
All Other Management Support Workers	6	7	1	1	0
Civil Engineers, Incl. Traffic	7	8	1	1	0
Civil Engineering Technicians & Technologists	2	2	0	0	0
Drafters	1	1	0	0	0
All Other Physical & Life Science Techs.	2	2	0	0	0
Social Workers, Medical & Psychiatric	3	4	1	1	0
Social Workers, Exc. Medical & Psychiatric	2	2	0	0	0
Social Service Technicians	1	1	0	0	0
Nursing Instructors	4	5	1	1	0
All Other Teachers & Instructors	2	2	0	0	0
Physicians & Surgeons	40	47	12	7	5
Dentists	6	7	1	1	0
Optometrists	3	4	1	1	0
Respiratory Therapists	2	2	0	0	0
Registered Nurses	184	215	72	31	41
Licensed Practical Nurses	41	48	17	7	10
Emergency Medical Technicians	7	8	2	1	1
Physician Assistants	9	11	4	2	2
Pharmacists	11	13	4	2	2
Dietitians & Nutritionists	4	5	1	1	0
Medical & Clinical Laboratory Technologists	18	21	6	3	3
Medical & Clinical Laboratory Technicians	18	21	5	3	2
Medical Records Technicians & Technologists	17	20	8	3	5
Nuclear Medicine Technologists	1	1	0	0	0
Radiologic Technologists	9	11	3	2	1
Radiologic Technicians	4	5	1	1	0
Surgical Technicians	2	2	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	13	15	4	2	2
SALES & RELATED OCCUPATIONS	1	1	0	0	0
Cashiers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	163	193	55	30	25
First Line Supers.-Clerical & Admin. Support	3	4	1	1	0
Adjustment Clerks	3	4	1	1	0
Medical Secretaries	18	21	7	3	4
All Other Secretaries	7	8	2	1	1
Typists	13	15	5	2	3
Personnel Clerks, Exc. Payroll & Timekeeping	4	5	2	1	1
Procurement Clerks	5	6	1	1	0
Statistical Clerks	12	14	4	2	2
Interviewing Clerks, Exc. Personnel & Welfare	5	6	1	1	0
Bookkeeping, Accounting, & Auditing Clerks	9	11	3	2	1
Payroll & Timekeeping Clerks	3	4	1	1	0
Billing, Cost & Rate Clerks	2	2	0	0	0
General Office Clerks	48	56	19	8	11
Switchboard Operators	5	6	2	1	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

APACHE COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Dispatchers - Police, Fire, & Ambulance	5	6	1	1	0
Stock Clerks - Stockroom, Warehouse, or Yard	16	19	4	3	1
All Other Material Recording/Scheduling/Dist.	1	1	0	0	0
All Other Clerical & Administrative Support	4	5	1	1	0
SERVICE OCCUPATIONS	172	200	59	28	31
Housekeepers	3	4	1	1	0
All Other Service Supervisors & Managers	2	2	0	0	0
Guards & Watch Guards	14	16	2	2	0
Food Servers, Outside	3	4	1	1	0
Cooks, Institution or Cafeteria	20	23	6	3	3
Food Preparation Workers	10	12	3	2	1
Dental Assistants	14	16	6	2	4
Medical Assistants	1	1	0	0	0
Nursing Aides, Orderlies, & Attendants	59	69	23	10	13
Home Health Aides	1	1	0	0	0
Psychiatric Aides	5	6	2	1	1
Physical & Corrective Therapy Assists. & Aides	2	2	0	0	0
Pharmacy Assistants	6	7	2	1	1
Maids & Housekeeping Cleaners	32	37	13	5	8
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	2	2	0	0	0
Gardeners & Groundskeepers, Exc. Farm	2	2	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	71	84	14	13	1
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	5	6	1	1	0
Machinery Maintenance Mechanics	7	8	1	1	0
Maintenance Repairers, General Utility	10	12	2	2	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	2	2	0	0	0
Electromedical & Biomedical Equip. Repairers	5	6	1	1	0
Menders - Garments, Linens, & Related	1	1	0	0	0
Carpenters	7	8	1	1	0
Electricians	3	4	1	1	0
Painters & Paperhangers - Construction & Maintenance	1	1	0	0	0
Plumbers, Pipefitters, & Steamfitters	3	4	1	1	0
Truck Drivers, Light - Incl. Delivery & Route	15	18	3	3	0
Helpers, Laborers, & Material Movers, Hand	12	14	3	2	1
TOTAL ALL OCCUPATIONS	861	1,008	279	147	132

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

COCHISE COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	21	25	5	4	1
Financial Managers	4	5	1	1	0
Personnel, Training, & Labor Relations Mgrs.	1	1	0	0	0
Purchasing Managers	3	4	1	1	0
Marketing, Advertising, & Public Rel. Mgrs.	1	1	0	0	0
Medicine & Health Services Managers	8	9	2	1	1
General Managers & Top Executives	4	5	1	1	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	387	454	140	67	73
Accountants & Auditors	3	4	1	1	0
Budget Analysts	1	1	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	4	5	1	1	0
All Other Management Support Workers	6	7	1	1	0
Computer Programmers	1	1	0	0	0
Social Workers, Exc. Medical & Psychiatric	3	4	1	1	0
Social Service Technicians	3	4	1	1	0
Nursing Instructors	1	1	0	0	0
Physicians & Surgeons	12	14	3	2	1
Respiratory Therapists	1	1	0	0	0
Physical Therapists	4	5	1	1	0
Recreational Therapists	6	7	2	1	1
Registered Nurses	185	216	72	31	41
Licensed Practical Nurses	71	83	30	12	18
Emergency Medical Technicians	7	8	2	1	1
Physician Assistants	2	2	0	0	0
Pharmacists	9	11	3	2	1
Dietitians & Nutritionists	1	1	0	0	0
Dietetic Technicians	1	1	0	0	0
Medical & Clinical Laboratory Technologists	23	27	8	4	4
Medical & Clinical Laboratory Technicians	9	11	3	2	1
Medical Records Technicians & Technologists	5	6	2	1	1
Radiologic Technologists	16	19	6	3	3
Radiologic Technicians	3	4	1	1	0
Electrocardiograph Techs.	1	1	0	0	0
Surgical Technicians	8	9	2	1	1
All Other Health Professionals, Paraprofessionals, & Technicians	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	161	189	55	28	27
First Line Supers.-Clerical & Admin. Support	9	11	3	2	1
Adjustment Clerks	3	4	1	1	0
Medical Secretaries	19	22	8	3	5
All Other Secretaries	1	1	0	0	0
Stenographers	1	1	0	0	0
Typists	13	15	5	2	3
Personnel Clerks, Exc. Payroll & Timekeeping	1	1	0	0	0
Procurement Clerks	7	8	1	1	0
Statistical Clerks	24	28	9	4	5
Interviewing Clerks, Exc. Personnel & Welfare	16	19	5	3	2
Bookkeeping, Accounting, & Auditing Clerks	10	12	4	2	2
Billing, Cost & Rate Clerks	14	16	5	2	3
General Office Clerks	22	26	9	4	5
Data Entry Keyers, Exc. Composing	7	8	1	1	0
Stock Clerks - Stockroom, Warehouse, or Yard	10	12	3	2	1
All Other Clerical & Administrative Support	4	5	1	1	0
SERVICE OCCUPATIONS	225	264	83	39	44
Housekeepers	7	8	2	1	1
All Other Service Supervisors & Managers	6	7	2	1	1
Food Servers, Outside	3	4	1	1	0
Cooks, Institution or Cafeteria	21	25	7	4	3
Food Preparation Workers	25	29	8	4	4

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

COCHISE COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Dental Assistants	1	1	0	0	0
Medical Assistants	4	5	1	1	0
Nursing Aides, Orderlies, & Attendants	107	125	42	18	24
Home Health Aides	3	4	1	1	0
Physical & Corrective Therapy Assists./Aides	2	2	0	0	0
Pharmacy Assistants	9	11	4	2	2
All Other Health Service Workers	2	2	0	0	0
Maids & Housekeeping Cleaners	35	41	15	6	9
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	27	32	6	5	1
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	3	4	1	1	0
Machinery Maintenance Mechanics	1	1	0	0	0
Maintenance Repairers, General Utility	15	18	4	3	1
Electromedical & Biomedical Equip. Repairers	4	5	1	1	0
Truck Drivers, Light - Incl. Delivery & Route	2	2	0	0	0
Helpers, Laborers, & Material Movers, Hand	2	2	0	0	0
TOTAL ALL OCCUPATIONS	821	964	289	143	146

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

COCONINO COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	28	33	6	5	1
Financial Managers	4	5	1	1	0
Personnel, Training, & Labor Relations Mgrs.	3	4	1	1	0
Marketing, Advertising, & Public Rel. Mgrs.	1	1	0	0	0
Administrative Services Managers	2	2	0	0	0
Engineering, Mathematical & Natural Sciences Managers	2	2	0	0	0
Medicine & Health Services Managers	10	12	3	2	1
General Managers & Top Executives	4	5	1	1	0
All Other Managers & Administrators	2	2	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	519	607	182	88	94
Accountants & Auditors	3	4	1	1	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	2	2	0	0	0
Compliance & Enforcement Inspectors, Exc. Const.	4	5	1	1	0
All Other Management Support Workers	2	2	0	0	0
Civil Engineers, Incl. Traffic	7	8	1	1	0
Civil Engineering Technicians & Technologists	2	2	0	0	0
Medical Scientists	1	1	0	0	0
All Other Physical & Life Science Techs.	2	2	0	0	0
Social Workers, Medical & Psychiatric	3	4	1	1	0
Social Service Technicians	3	4	1	1	0
Nursing Instructors	1	1	0	0	0
Physicians & Surgeons	20	23	5	3	2
Dentists	5	6	1	1	0
Optometrists	2	2	0	0	0
Physical Therapists	12	14	4	2	2
Speech Pathologists & Audiologists	1	1	0	0	0
Registered Nurses	280	327	110	47	63
Licensed Practical Nurses	40	47	17	7	10
Emergency Medical Technicians	6	7	1	1	0
Physician Assistants	7	8	2	1	1
Opticians, Dispensing & Measuring	1	1	0	0	0
Pharmacists	11	13	4	2	2
Dietitians & Nutritionists	4	5	1	1	0
Medical & Clinical Laboratory Technologists	9	11	3	2	1
Medical & Clinical Laboratory Technicians	21	25	7	4	3
Medical Records Technicians & Technologists	16	19	7	3	4
Radiologic Technologists	8	9	2	1	1
Radiologic Technicians	10	12	3	2	1
Surgical Technicians	4	5	1	1	0
All Other Health Professionals, Paraprofessionals, & Technicians	30	35	9	5	4
All Other Professional, Paraprofessional, & Technical Workers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	191	224	63	33	30
First Line Supers.-Clerical & Admin. Support	5	6	1	1	0
Adjustment Clerks	11	13	4	2	2
Medical Secretaries	22	26	9	4	5
All Other Secretaries	12	14	5	2	3
Stenographers	10	12	4	2	2
Typists	7	8	3	1	2
Personnel Clerks, Exc. Payroll & Timekeeping	1	1	0	0	0
Procurement Clerks	1	1	0	0	0
Statistical Clerks	5	6	2	1	1
Interviewing Clerks, Exc. Personnel & Welfare	14	16	4	2	2
Bookkeeping, Accounting, & Auditing Clerks	5	6	2	1	1
Payroll & Timekeeping Clerks	3	4	1	1	0
Billing, Cost & Rate Clerks	9	11	4	2	2
General Office Clerks	30	35	11	5	6

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

COCONINO COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Computer Operators, Exc. Peripheral Equipment	1	1	0	0	0
Data Entry Keyers, Exc. Composing	5	6	1	1	0
Switchboard Operators	11	13	5	2	3
Stock Clerks - Stockroom, Warehouse, or Yard	17	20	4	3	1
All Other Material Recording/Scheduling/Dist.	2	2	0	0	0
All Other Clerical & Administrative Support	20	23	3	3	0
SERVICES OCCUPATIONS	195	229	72	34	38
Housekeepers	5	6	1	1	0
All Other Service Supervisors & Managers	7	8	2	1	1
Guards & Watch Guards	3	4	1	1	0
Food Servers, Outside	6	7	1	1	0
Cooks, Institution or Cafeteria	11	13	3	2	1
Food Preparation Workers	17	20	6	3	3
Dental Assistants	10	12	5	2	3
Medical Assistants	1	1	0	0	0
Nursing Aides, Orderlies, & Attendants	88	103	35	15	20
Physical & Corrective Therapy Assists./Aides	11	13	4	2	2
Pharmacy Assistants	3	4	1	1	0
All Other Health Service Workers	2	2	0	0	0
Maids & Housekeeping Cleaners	31	36	13	5	8
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	34	40	6	6	0
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	3	4	1	1	0
Machinery Maintenance Mechanics	4	5	1	1	0
Maintenance Repairers, General Utility	11	13	2	2	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	3	4	1	1	0
Electromedical & Biomedical Equip. Repairers	1	1	0	0	0
Menders - Garments, Linens, & Related	1	1	0	0	0
Carpenters	1	1	0	0	0
Electricians	2	2	0	0	0
Painters & Paperhangers - Construction & Maintenance	1	1	0	0	0
Plumbers, Pipefitters, & Steamfitters	1	1	0	0	0
Laundry/Drycleaning Mach. Opers., Exc. Pressing	2	2	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	4	5	1	1	0
TOTAL ALL OCCUPATIONS	967	1,133	329	166	163

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

GILA COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	24	27	5	3	2
Financial Managers	2	2	0	0	0
Personnel, Training, & Labor Relations Mgrs.	1	1	0	0	0
Purchasing Managers	2	2	0	0	0
Administrative Services Managers	1	1	0	0	0
Medicine & Health Services Managers	14	16	4	2	2
Food Service & Lodging Managers	3	4	1	1	0
General Managers & Top Executives	1	1	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	232	269	80	37	43
Purchasing Agents, Exc. Wholesale, Retail, & Farm	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	1	1	0	0	0
All Other Management Support Workers	1	1	0	0	0
Psychologists	1	1	0	0	0
Social Workers, Medical & Psychiatric	1	1	0	0	0
Social Service Technicians	2	2	0	0	0
All Other Teachers & Instructors	2	2	0	0	0
Physicians & Surgeons	8	9	2	1	1
Dentists	2	2	0	0	0
Respiratory Therapists	6	7	2	1	1
Physical Therapists	3	4	1	1	0
Registered Nurses	114	133	44	19	25
Licensed Practical Nurses	35	41	15	6	9
Physician Assistants	1	1	0	0	0
Pharmacists	9	11	3	2	1
Dietitians & Nutritionists	1	1	0	0	0
Dietetic Technicians	6	7	2	1	1
Medical & Clinical Laboratory Technologists	6	7	2	1	1
Medical & Clinical Laboratory Technicians	13	15	4	2	2
Dental Hygienists	3	4	1	1	0
Medical Records Technicians & Technologists	5	6	2	1	1
Radiologic Technicians	7	8	2	1	1
Surgical Technicians	2	2	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	1	1	0	0	0
Public Rel. Specialists & Publicity Writers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	84	99	24	15	9
First Line Supers.-Clerical & Admin. Support	4	5	1	1	0
Adjustment Clerks	1	1	0	0	0
Medical Secretaries	1	1	0	0	0
All Other Secretaries	2	2	0	0	0
Stenographers	1	1	0	0	0
Typists	3	4	1	1	0
Procurement Clerks	1	1	0	0	0
Statistical Clerks	6	7	2	1	1
Interviewing Clerks, Exc. Personnel & Welfare	9	11	3	2	1
Bookkeeping, Accounting, & Auditing Clerks	5	6	2	1	1
Payroll & Timekeeping Clerks	1	1	0	0	0
Billing, Cost & Rate Clerks	16	19	6	3	3
General Office Clerks	12	14	4	2	2
Data Entry Keyers, Exc. Composing	3	4	1	1	0
Switchboard Operators	6	7	2	1	1
Stock Clerks - Stockroom, Warehouse, or Yard	8	9	1	1	0
All Other Clerical & Administrative Support	5	6	1	1	0
SERVICE OCCUPATIONS	158	185	56	27	29
Housekeepers	3	4	1	1	0
All Other Service Supervisors & Managers	2	2	0	0	0
Food Servers, Outside	13	15	3	2	1
Cooks, Institution or Cafeteria	13	15	4	2	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

GILA COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Food Preparation Workers	3	4	1	1	0
Dental Assistants	1	1	0	0	0
Medical Assistants	2	2	0	0	0
Nursing Aides, Orderlies, & Attendants	85	99	33	14	19
Physical & Corrective Therapy Assists./Aides	3	4	1	1	0
Pharmacy Assistants	5	6	2	1	1
Maids & Housekeeping Cleaners	24	28	10	4	6
Janitors & Cleaners, Exc. Maids & Housekeeping	4	5	1	1	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
Gardeners & Groundskeepers, Exc. Farm	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	27	32	6	5	1
First Line Managers/Supervisors - Mechanics/Installers/Repairers	3	4	1	1	0
Machinery Maintenance Mechanics	1	1	0	0	0
Maintenance Repairers, General Utility	16	19	4	3	1
Laundry/Drycleaning Mach. Opers., Exc. Pressing	6	7	1	1	0
All Other Motor Vehicle Operators	1	1	0	0	0
TOTAL ALL OCCUPATIONS	526	613	171	87	84

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

GRAHAM COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	3	3	0	0	0
Financial Managers	1	1	0	0	0
Medicine & Health Services Managers	2	2	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	80	93	25	13	12
Purchasing Agents, Exc. Wholesale, Retail, & Farm	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	1	1	0	0	0
All Other Management Support Workers	1	1	0	0	0
Registered Nurses	45	53	18	8	10
Licensed Practical Nurses	7	8	2	1	1
Emergency Medical Technicians	4	5	1	1	0
Physician Assistants	1	1	0	0	0
Pharmacists	1	1	0	0	0
Dietitians & Nutritionists	1	1	0	0	0
Medical & Clinical Laboratory Technologists	6	7	2	1	1
Medical & Clinical Laboratory Technicians	3	4	1	1	0
Medical Records Technicians & Technologists	2	2	0	0	0
Radiologic Technologists	2	2	0	0	0
Radiologic Technicians	5	6	1	1	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	31	35	6	4	2
First Line Supers.-Clerical & Admin. Support	2	2	0	0	0
Adjustment Clerks	1	1	0	0	0
Medical Secretaries	2	2	0	0	0
Typists, Word Processing Equipment	1	1	0	0	0
File Clerks	3	4	1	1	0
Procurement Clerks	1	1	0	0	0
Statistical Clerks	2	2	0	0	0
Interviewing Clerks, Exc. Personnel & Welfare	3	4	1	1	0
Bookkeeping, Accounting, & Auditing Clerks	2	2	0	0	0
Payroll & Timekeeping Clerks	1	1	0	0	0
General Office Clerks	10	12	4	2	2
Data Entry Keyers, Exc. Composing	1	1	0	0	0
Switchboard Operators	2	2	0	0	0
SERVICE OCCUPATIONS	50	58	17	8	9
Housekeepers	1	1	0	0	0
Food Servers, Outside	2	2	0	0	0
Cooks, Institution or Cafeteria	3	4	1	1	0
Food Preparation Workers	3	4	1	1	0
Nursing Aides, Orderlies, & Attendants	26	30	10	4	6
Pharmacy Assistants	2	2	0	0	0
Maids & Housekeeping Cleaners	13	15	5	2	3
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	2	2	0	0	0
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	1	1	0	0	0
Maintenance Repairers, General Utility	1	1	0	0	0
TOTAL ALL OCCUPATIONS	166	191	48	25	23

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

GREENLEE COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	2	2	0	0	0
Medicine & Health Services Managers	1	1	0	0	0
General Managers & Top Executives	1	1	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	22	25	6	3	3
Respiratory Therapists	1	1	0	0	0
Registered Nurses	15	18	6	3	3
Medical & Clinical Laboratory Technologists	1	1	0	0	0
Medical Records Technicians & Technologists	1	1	0	0	0
Radiologic Technologists	2	2	0	0	0
Radiologic Technicians	1	1	0	0	0
All Other Health Professionals, Paraprofessionals, & Technicians	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	11	12	2	1	1
First Line Supers.-Clerical & Admin. Support	1	1	0	0	0
Billing, Cost & Rate Clerks	2	2	0	0	0
General Office Clerks	8	9	2	1	1
SERVICE OCCUPATIONS	20	23	5	3	2
Housekeepers	1	1	0	0	0
All Other Service Supervisors & Managers	1	1	0	0	0
Food Servers, Outside	4	5	1	1	0
Cooks, Institution or Cafeteria	1	1	0	0	0
Nursing Aides, Orderlies, & Attendants	7	8	2	1	1
Occupational Therapy Assistants & Aides	1	1	0	0	0
Pharmacy Assistants	1	1	0	0	0
Maids & Housekeeping Cleaners	4	5	2	1	1
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
Gardeners & Groundskeepers, Exc. Farm	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	1	1	0	0	0
Maintenance Repairers, General Utility	1	1	0	0	0
TOTAL ALL OCCUPATIONS	57	64	13	7	6

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

LA PAZ COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	7	8	1	1	0
Financial Managers	1	1	0	0	0
Administrative Services Managers	1	1	0	0	0
Medicine & Health Services Managers	3	4	1	1	0
General Managers & Top Executives	2	2	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	70	81	19	11	8
All Other Financial Specialists	3	4	1	1	0
Social Workers, Medical & Psychiatric	1	1	0	0	0
Nursing Instructors	1	1	0	0	0
Physicians & Surgeons	4	5	1	1	0
Dentists	1	1	0	0	0
Respiratory Therapists	2	2	0	0	0
Physical Therapists	1	1	0	0	0
Registered Nurses	29	34	11	5	6
Licensed Practical Nurses	11	13	4	2	2
Pharmacists	1	1	0	0	0
Dietitians & Nutritionists	1	1	0	0	0
Dietetic Technicians	2	2	0	0	0
Medical & Clinical Laboratory Technologists	3	4	1	1	0
Medical & Clinical Laboratory Technicians	2	2	0	0	0
Medical Records Technicians & Technologists	2	2	0	0	0
Radiologic Technicians	5	6	1	1	0
Surgical Technicians	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	22	25	4	3	1
First Line Supers.-Clerical & Admin. Support	1	1	0	0	0
All Other Secretaries	2	2	0	0	0
Typists	2	2	0	0	0
Personnel Clerks, Exc. Payroll & Timekeeping	1	1	0	0	0
Interviewing Clerks, Exc. Personnel & Welfare	1	1	0	0	0
Bookkeeping, Accounting, & Auditing Clerks	6	7	2	1	1
Billing, Cost & Rate Clerks	1	1	0	0	0
Computer Operators, Exc. Peripheral Equipment	1	1	0	0	0
Data Entry Keyers, Exc. Composing	1	1	0	0	0
Switchboard Operators	3	4	1	1	0
All Other Material Recording/Scheduling/Dist.	3	4	1	1	0
SERVICE OCCUPATIONS	36	42	10	6	4
Cooks, Institution or Cafeteria	3	4	1	1	0
Food Preparation Workers	3	4	1	1	0
All Other Food Service Workers	2	2	0	0	0
Dental Assistants	1	1	0	0	0
Nursing Aides, Orderlies, & Attendants	17	20	6	3	3
Physical & Corrective Therapy Assists./Aides	1	1	0	0	0
Maids & Housekeeping Cleaners	7	8	2	1	1
Janitors & Cleaners, Exc. Maids & Housekeeping	2	2	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	8	9	1	1	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	1	1	0	0	0
Maintenance Repairers, General Utility	5	6	1	1	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	1	1	0	0	0
All Other Motor Vehicle Operators	1	1	0	0	0
TOTAL ALL OCCUPATIONS	143	165	35	22	13

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

MARICOPA COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	1,332	1,550	407	218	189
Financial Managers	91	106	29	15	14
Personnel, Training, & Labor Relations Mgrs.	68	79	21	11	10
Purchasing Managers	18	21	4	3	1
Marketing, Advertising, & Public Rel. Mgrs.	52	61	15	9	6
Administrative Services Managers	47	55	14	8	6
Engineering, Mathematical & Natural Sciences Managers	64	74	18	10	8
Medicine & Health Services Managers	649	755	207	106	101
Food Service & Lodging Managers	38	44	11	6	5
General Managers & Top Executives	129	150	37	21	16
All Other Managers & Administrators	176	205	51	29	22
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	18,310	21,310	6,753	3,000	3,753
Accountants & Auditors	87	101	26	14	12
Budget Analysts	14	16	3	2	1
All Other Financial Specialists	25	29	7	4	3
Purchasing Agents, Exc. Wholesale, Retail, & Farm	91	106	25	15	10
Personnel, Training, & Labor Rel. Specialists	108	126	29	18	11
Compliance & Enforcement Inspectors, Exc. Const.	9	10	2	1	1
All Other Management Support Workers	287	334	83	47	36
Civil Engineers, Incl. Traffic	1	1	0	0	0
Electrical & Electronic Engineers	4	5	1	1	0
Mechanical Engineers	12	14	2	2	0
All Other Engineers	15	17	2	2	0
Civil Engineering Technicians & Technologists	1	1	0	0	0
Electrical/Electronic Engineering Technicians	24	28	5	4	1
Mechanical Engineering Techs.	4	5	1	1	0
Drafters	5	6	1	1	0
All Other Engineering & Related Technicians	9	10	1	1	0
Biological Scientists	46	54	13	8	5
Medical Scientists	23	27	6	4	2
Biological, Agri., & Food Techs., Exc. Health	8	9	1	1	0
Chemical Techs., Exc. Health	14	16	3	2	1
All Other Physical & Life Science Techs.	1	1	0	0	0
Systems Analysts, Electronic Data Processing	93	108	18	15	3
Computer Programmers	12	14	2	2	0
Computer Programmer Aides	38	44	10	6	4
Psychologists	45	52	10	7	3
Social Workers, Medical & Psychiatric	360	419	129	59	70
Social Workers, Exc. Medical & Psychiatric	46	54	16	8	8
Social Service Technicians	45	52	12	7	5
Clergy	30	35	9	5	4
Nursing Instructors	70	81	18	11	7
Teachers & Instructors, Voc. Ed. & Training	36	42	12	6	6
All Other Teachers & Instructors	21	24	7	3	4
Librarians, Professional	7	8	2	1	1
Technical Assistants, Library	5	6	2	1	1
Physicians & Surgeons	858	999	250	141	109
Dentists	15	17	3	2	1
Optometrists	5	6	1	1	0
Podiatrists	3	3	0	0	0
All Other Health Diagnosing & Treating Practitioners	1	1	0	0	0
Respiratory Therapists	334	389	112	55	57
Occupational Therapists	113	132	38	19	19
Physical Therapists	187	218	62	31	31
Corrective & Manual Arts Therapists	7	8	2	1	1
Speech Pathologists & Audiologists	66	77	22	11	11
Recreational Therapists	50	58	16	8	8
All Other Therapists	64	74	20	10	10

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

MARICOPA COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Registered Nurses	9,560	11,128	3,748	1,568	2,180
Licensed Practical Nurses	1,513	1,761	649	248	401
Emergency Medical Technicians	115	134	38	19	19
Physician Assistants	11	13	4	2	2
Pharmacists	337	392	118	55	63
Dietitians & Nutritionists	110	128	43	18	25
Dietetic Technicians	147	171	58	24	34
Medical & Clinical Laboratory Technologists	656	764	244	108	136
Medical & Clinical Laboratory Technicians	325	378	104	53	51
Dental Hygienists	10	12	4	2	2
Medical Records Technicians & Technologists	184	214	85	30	55
Nuclear Medicine Technologists	73	85	25	12	13
Radiologic Technologists	431	502	152	71	81
Radiologic Technicians	248	289	87	41	46
Electroencephalograph Techs.	34	40	11	6	5
Electrocardiograph Techs.	82	95	25	13	12
Surgical Technicians	240	279	76	39	37
All Other Health Professionals, Paraprofessionals, & Technicians	785	914	259	129	130
Public Rel. Specialists & Publicity Writers	41	48	12	7	5
Photographers	9	10	1	1	0
All Other Professional, Paraprofessional, & Technical Workers	100	116	26	16	10
SALES & RELATED OCCUPATIONS	128	149	44	21	23
Cashiers	83	97	32	14	18
All Other Sales & Related Workers	45	52	12	7	5
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	6,395	7,444	2,424	1,049	1,375
First Line Supers.-Clerical & Admin. Support	299	348	90	49	41
Adjustment Clerks	82	95	32	13	19
Medical Secretaries	337	392	144	55	89
All Other Secretaries	647	753	277	106	171
Stenographers	20	23	7	3	4
Receptionists & Information Clerks	178	207	70	29	41
Typists	570	663	259	93	166
Typists, Word Processing Equipment	43	50	13	7	6
Personnel Clerks, Exc. Payroll & Timekeeping	60	70	28	10	18
File Clerks	83	97	39	14	25
Order Clerks - Materials, Merch., & Service	17	20	6	3	3
Procurement Clerks	31	36	8	5	3
Statistical Clerks	242	282	96	40	56
Interviewing Clerks, Exc. Personnel & Welfare	418	487	143	69	74
Bookkeeping, Accounting, & Auditing Clerks	176	205	67	29	38
Payroll & Timekeeping Clerks	35	41	13	6	7
Billing, Cost & Rate Clerks	321	374	128	53	75
General Office Clerks	1,613	1,878	644	265	379
Billing, Posting, & Calculating Machine Opers.	3	3	0	0	0
Computer Operators, Exc. Peripheral Equipment	141	164	38	23	15
Data Entry Keyers, Exc. Composing	147	171	40	24	16
All Other Office Machine Operators	11	13	5	2	3
Switchboard Operators	176	205	82	29	53
Stock Clerks - Stockroom, Warehouse, or Yard	367	427	99	60	39
Traffic, Shipping, & Receiving Clerks	29	34	8	5	3
All Other Material Recording/Scheduling/Dist.	232	270	67	38	29
All Other Clerical & Administrative Support	117	136	21	19	2
SERVICE OCCUPATIONS	5,431	6,325	2,042	894	1,148
Housekeepers	83	97	28	14	14
All Other Service Supervisors & Managers	106	123	40	17	23
Guards & Watch Guards	180	210	37	30	7
Waiters & Waitresses	22	26	9	4	5
Food Servers, Outside	421	490	122	69	53

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

MARICOPA COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	28	33	11	5	6
Bakers, Bread & Pastry	7	8	2	1	1
Cooks, Institution or Cafeteria	187	218	61	31	30
Cooks, Short Order	23	27	7	4	3
Food Preparation Workers	462	538	167	76	91
All Other Food Service Workers	11	13	4	2	2
Dental Assistants	22	26	10	4	6
Medical Assistants	277	322	112	45	67
Nursing Aides, Orderlies, & Attendants	1,340	1,560	534	220	314
Home Health Aides	130	151	38	21	17
Psychiatric Aides	322	375	128	53	75
Physical & Corrective Therapy Assists./Aides	200	233	81	33	48
Occupational Therapy Assistants & Aides	28	33	11	5	6
Ambulance Drivers & Attendants - Exc. Emergency Medical Technicians	34	40	9	6	3
Pharmacy Assistants	201	234	82	33	49
All Other Health Service Workers	118	137	29	19	10
Maids & Housekeeping Cleaners	1,067	1,242	464	175	289
Janitors & Cleaners, Exc. Maids & Housekeeping	83	97	27	14	13
All Other Cleaning/Building Service, Exc. Private House	13	15	4	2	2
Social Welfare Service Aides	19	22	6	3	3
Child Care Workers	18	21	8	3	5
All Other Service Workers	29	34	11	5	6
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	49	57	15	8	7
First Line Supervisors - Agri., Forestry, & Rel.	6	7	1	1	0
Gardeners & Groundskeepers, Exc. Farm	43	50	14	7	7
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	1,070	1,241	260	171	89
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	56	65	16	9	7
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	39	45	12	6	6
Machinery Maintenance Mechanics	39	45	8	6	2
Maintenance Repairers, General Utility	198	230	46	32	14
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	40	47	9	7	2
Electromedical & Biomedical Equip. Repairers	64	74	14	10	4
Menders - Garments, Linens, & Related	2	2	0	0	0
All Other Mechanics, Installers, & Repairers	19	22	4	3	1
Carpenters	63	73	16	10	6
Electricians	57	66	13	9	4
Painters & Paperhangers - Construction & Maintenance	37	43	10	6	4
Plumbers, Pipefitters, & Steamfitters	35	41	8	6	2
All Other Construction & Extraction Workers, Exc. Helpers	5	6	1	1	0
Precision Production Occupations	25	29	5	4	1
Laundry/Drycleaning Mach. Opers., Exc. Pressing	92	107	26	15	11
Pressing Machine Opers. - Textile & Garments	8	9	2	1	1
Boiler Operators & Tenders, Low Pressure	3	3	0	0	0
All Other Machine Setters & Set-Up Operators	3	3	0	0	0
All Other Machine Operators & Tenders	4	5	1	1	0
Hand Working, Inc. Assemblers & Fabricators	56	65	15	9	6
Stationary Engineers	88	102	23	14	9
Truck Drivers, Light - Incl. Delivery & Route	45	52	9	7	2
Parking Lot Attendants	9	10	1	1	0
All Other Transportation & Moving Equip. Operators	4	5	1	1	0
Helpers, Laborers, & Material Movers, Hand	79	92	20	13	7
TOTAL ALL OCCUPATIONS	32,715	38,076	11,945	5,361	6,584

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

MOHAVE COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	41	48	9	7	2
Financial Managers	3	4	1	1	0
Personnel, Training, & Labor Relations Mgrs.	3	4	1	1	0
Purchasing Managers	2	2	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	2	2	0	0	0
Administrative Services Managers	1	1	0	0	0
Engineering, Mathematical & Natural Sciences Managers	3	4	1	1	0
Medicine & Health Services Managers	19	22	5	3	2
Food Service & Lodging Managers	2	2	0	0	0
General Managers & Top Executives	5	6	1	1	0
All Other Managers & Administrators	1	1	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	359	418	131	59	72
Personnel, Training, & Labor Rel. Specialists	3	4	1	1	0
All Other Management Support Workers	2	2	0	0	0
Civil Engineers, Incl. Traffic	1	1	0	0	0
Civil Engineering Technicians & Technologists	1	1	0	0	0
Medical Scientists	1	1	0	0	0
Social Workers, Medical & Psychiatric	2	2	0	0	0
Nursing Instructors	2	2	0	0	0
Physicians & Surgeons	2	2	0	0	0
Respiratory Therapists	18	21	6	3	3
Occupational Therapists	1	1	0	0	0
Physical Therapists	2	2	0	0	0
Speech Pathologists & Audiologists	1	1	0	0	0
Registered Nurses	206	240	80	34	46
Licensed Practical Nurses	59	69	25	10	15
Emergency Medical Technicians	4	5	1	1	0
Physician Assistants	1	1	0	0	0
Pharmacists	3	4	1	1	0
Dietitians & Nutritionists	3	4	1	1	0
Medical & Clinical Laboratory Technologists	13	15	4	2	2
Medical & Clinical Laboratory Technicians	7	8	2	1	1
Medical Records Technicians & Technologists	10	12	5	2	3
Radiologic Technologists	1	1	0	0	0
Radiologic Technicians	11	13	4	2	2
Surgical Technicians	4	5	1	1	0
Public Rel. Specialists & Publicity Writers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	154	181	51	27	24
First Line Supers.-Clerical & Admin. Support	10	12	3	2	1
Medical Secretaries	5	6	2	1	1
All Other Secretaries	8	9	3	1	2
Typists	18	21	8	3	5
Personnel Clerks, Exc. Payroll & Timekeeping	1	1	0	0	0
File Clerks	4	5	2	1	1
Procurement Clerks	1	1	0	0	0
Statistical Clerks	6	7	2	1	1
Interviewing Clerks, Exc. Personnel & Welfare	11	13	3	2	1
Bookkeeping, Accounting, & Auditing Clerks	1	1	0	0	0
Payroll & Timekeeping Clerks	1	1	0	0	0
Billing, Cost & Rate Clerks	21	25	8	4	4
General Office Clerks	33	39	13	6	7
Computer Operators, Exc. Peripheral Equipment	2	2	0	0	0
Data Entry Keyers, Exc. Composing	9	11	3	2	1
Switchboard Operators	2	2	0	0	0
Stock Clerks - Stockroom, Warehouse, or Yard	7	8	1	1	0
Traffic, Shipping, & Receiving Clerks	3	4	1	1	0
All Other Material Recording/Scheduling/Dist.	1	1	0	0	0
All Other Clerical & Administrative Support	10	12	2	2	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

MOHAVE COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
SERVICE OCCUPATIONS	149	175	51	26	25
Housekeepers	4	5	1	1	0
All Other Service Supervisors & Managers	4	5	1	1	0
Food Servers, Outside	13	15	3	2	1
Cooks, Institution or Cafeteria	12	14	3	2	1
Food Preparation Workers	15	18	6	3	3
Medical Assistants	2	2	0	0	0
Nursing Aides, Orderlies, & Attendants	39	46	16	7	9
Home Health Aides	5	6	1	1	0
Psychiatric Aides	2	2	0	0	0
Physical & Corrective Therapy Assists./Aides	1	1	0	0	0
Pharmacy Assistants	9	11	4	2	2
All Other Health Service Workers	5	6	1	1	0
Maids & Housekeeping Cleaners	31	36	13	5	8
Janitors & Cleaners, Exc. Maids & Housekeeping	7	8	2	1	1
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
Gardeners & Groundskeepers, Exc. Farm	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	28	32	5	4	1
Machinery Maintenance Mechanics	1	1	0	0	0
Maintenance Repairers, General Utility	8	9	1	1	0
Precision Production Occupations	1	1	0	0	0
Laundry/Drycleaning Mach. Opers., Exc. Pressing	12	14	3	2	1
Stationary Engineers	6	7	1	1	0
TOTAL ALL OCCUPATIONS	732	855	247	123	124

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

NAVAJO COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	32	38	9	6	3
Financial Managers	1	1	0	0	0
Personnel, Training, & Labor Relations Mgrs.	1	1	0	0	0
Purchasing Managers	1	1	0	0	0
Administrative Services Managers	3	4	1	1	0
Medicine & Health Services Managers	21	25	7	4	3
Food Service & Lodging Managers	1	1	0	0	0
General Managers & Top Executives	4	5	1	1	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	284	332	100	48	52
Accountants & Auditors	1	1	0	0	0
Budget Analysts	1	1	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	2	2	0	0	0
All Other Management Support Workers	2	2	0	0	0
Psychologists	1	1	0	0	0
Social Workers, Medical & Psychiatric	5	6	1	1	0
Social Service Technicians	3	4	1	1	0
Nursing Instructors	1	1	0	0	0
Teachers & Instructors, Voc. Ed. & Training	1	1	0	0	0
Respiratory Therapists	1	1	0	0	0
Physical Therapists	2	2	0	0	0
Registered Nurses	140	163	54	23	31
Licensed Practical Nurses	40	47	17	7	10
Physician Assistants	3	4	1	1	0
Pharmacists	13	15	4	2	2
Dietitians & Nutritionists	6	7	2	1	1
Dietetic Technicians	1	1	0	0	0
Medical & Clinical Laboratory Technologists	13	15	4	2	2
Medical & Clinical Laboratory Technicians	15	18	5	3	2
Dental Hygienists	3	4	1	1	0
Medical Records Technicians & Technologists	10	12	5	2	3
Radiologic Technologists	6	7	2	1	1
Radiologic Technicians	5	6	1	1	0
Surgical Technicians	6	7	1	1	0
All Other Health Professionals, Paraprofessionals, & Technicians	3	4	1	1	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	105	122	29	17	12
First Line Supers.-Clerical & Admin. Support	2	2	0	0	0
Adjustment Clerks	1	1	0	0	0
Medical Secretaries	2	2	0	0	0
All Other Secretaries	11	13	4	2	2
Typists	7	8	3	1	2
File Clerks	1	1	0	0	0
Order Clerks - Materials, Merch., & Service	3	4	1	1	0
Procurement Clerks	1	1	0	0	0
Statistical Clerks	5	6	2	1	1
Interviewing Clerks, Exc. Personnel & Welfare	16	19	5	3	2
Bookkeeping, Accounting, & Auditing Clerks	6	7	2	1	1
Billing, Cost & Rate Clerks	7	8	2	1	1
General Office Clerks	12	14	4	2	2
Computer Operators, Exc. Peripheral Equipment	1	1	0	0	0
Data Entry Keyers, Exc. Composing	1	1	0	0	0
Switchboard Operators	4	5	2	1	1
Stock Clerks - Stockroom, Warehouse, or Yard	8	9	1	1	0
All Other Clerical & Administrative Support	17	20	3	3	0
SERVICE OCCUPATIONS	119	139	41	20	21
Housekeepers	1	1	0	0	0
All Other Service Supervisors & Managers	1	1	0	0	0
Food Servers, Outside	6	7	1	1	0
Cooks, Institution or Cafeteria	13	15	4	2	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

NAVAJO COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Cooks, Short Order	2	2	0	0	0
Food Preparation Workers	9	11	3	2	1
Dental Assistants	8	9	3	1	2
Nursing Aides, Orderlies, & Attendants	46	54	18	8	10
Physical & Corrective Therapy Assists./Aides	1	1	0	0	0
Pharmacy Assistants	4	5	1	1	0
Maids & Housekeeping Cleaners	19	22	8	3	5
Janitors & Cleaners, Exc. Maids & Housekeeping	9	11	3	2	1
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
Gardeners & Groundskeepers, Exc. Farm	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	42	48	7	6	1
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	2	2	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	2	2	0	0	0
Maintenance Repairers, General Utility	19	22	4	3	1
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	1	1	0	0	0
Electromedical & Biomedical Equip. Repairers	1	1	0	0	0
Electricians	1	1	0	0	0
Hand Working, Inc. Assemblers & Fabricators	1	1	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	9	11	2	2	0
Helpers, Laborers, & Material Movers, Hand	6	7	1	1	0
TOTAL ALL OCCUPATIONS	583	680	186	97	89

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

PIMA COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	453	545	152	92	60
Financial Managers	25	30	8	5	3
Personnel, Training, & Labor Relations Mgrs.	23	28	8	5	3
Purchasing Managers	8	10	2	2	0
Marketing, Advertising, & Public Rel. Mgrs.	12	14	3	2	1
Administrative Services Managers	13	16	4	3	1
Engineering, Mathematical & Natural Sciences Managers	17	20	5	3	2
Medicine & Health Services Managers	225	271	81	46	35
Food Service & Lodging Managers	20	24	7	4	3
General Managers & Top Executives	55	66	17	11	6
All Other Managers & Administrators	55	66	17	11	6
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	5,578	6,716	2,272	1,138	1,134
Accountants & Auditors	16	19	5	3	2
Budget Analysts	7	8	1	1	0
All Other Financial Specialists	4	5	1	1	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	26	31	7	5	2
Personnel, Training, & Labor Rel. Specialists	34	41	10	7	3
Compliance & Enforcement Inspectors, Exc. Const.	1	1	0	0	0
All Other Management Support Workers	56	67	18	11	7
Civil Engineers, Incl. Traffic	4	5	1	1	0
Electrical & Electronic Engineers	1	1	0	0	0
Industrial Engineers, Exc. Safety	1	1	0	0	0
Mechanical Engineers	5	6	1	1	0
All Other Engineers	15	18	3	3	0
Civil Engineering Technicians & Technologists	5	6	1	1	0
Electrical/Electronic Engineering Technicians	5	6	1	1	0
Mechanical Engineering Techs.	2	2	0	0	0
Drafters	2	2	0	0	0
All Other Engineering & Related Technicians	3	4	1	1	0
Biological Scientists	9	11	3	2	1
Medical Scientists	8	10	2	2	0
Systems Analysts, Electronic Data Processing	36	43	8	7	1
Computer Programmers	7	8	1	1	0
Psychologists	14	17	4	3	1
Social Workers, Medical & Psychiatric	172	207	68	35	33
Social Workers, Exc. Medical & Psychiatric	12	14	4	2	2
Social Service Technicians	10	12	3	2	1
Clergy	13	16	4	3	1
Nursing Instructors	24	29	7	5	2
Teachers & Instructors, Voc. Ed. & Training	1	1	0	0	0
All Other Teachers & Instructors	14	17	6	3	3
Librarians, Professional	7	8	2	1	1
Technical Assistants, Library	3	4	1	1	0
Physicians & Surgeons	40	48	13	8	5
Dentists	6	7	1	1	0
Optometrists	1	1	0	0	0
Podiatrists	3	4	1	1	0
All Other Health Diagnosing & Treating Practitioners	1	1	0	0	0
Respiratory Therapists	194	234	73	40	33
Occupational Therapists	29	35	10	6	4
Physical Therapists	89	107	33	18	15
Speech Pathologists & Audiologists	32	39	12	7	5
Recreational Therapists	12	14	4	2	2
All Other Therapists	8	10	3	2	1
Registered Nurses	2,977	3,584	1,286	607	679
Licensed Practical Nurses	386	465	181	79	102
Emergency Medical Technicians	29	35	10	6	4
Physician Assistants	10	12	4	2	2
Pharmacists	147	177	57	30	27

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

PIMA COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Dietitians & Nutritionists	34	41	14	7	7
Dietetic Technicians	37	45	16	8	8
Medical & Clinical Laboratory Technologists	308	371	126	63	63
Medical & Clinical Laboratory Technicians	91	110	33	19	14
Dental Hygienists	3	4	1	1	0
Medical Records Technicians & Technologists	27	33	14	6	8
Nuclear Medicine Technologists	26	31	9	5	4
Radiologic Technologists	132	159	51	27	24
Radiologic Technicians	24	29	9	5	4
Electroencephalograph Techs.	14	17	5	3	2
Electrocardiograph Techs.	39	47	14	8	6
Surgical Technicians	91	110	33	19	14
All Other Health Professionals, Paraprofessionals, & Technicians	231	278	85	47	38
Public Rel. Specialists & Publicity Writers	9	11	3	2	1
Photographers	6	7	1	1	0
All Other Professional, Paraprofessional, & Technical Workers	25	30	7	5	2
SALES & RELATED OCCUPATIONS	30	36	11	6	5
Cashiers	24	29	10	5	5
All Other Sales & Related Workers	6	7	1	1	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	1,912	2,301	791	389	402
First Line Supers.-Clerical & Admin. Support	85	102	28	17	11
Adjustment Clerks	30	36	13	6	7
Medical Secretaries	167	201	78	34	44
All Other Secretaries	63	76	29	13	16
Stenographers	3	4	1	1	0
Receptionists & Information Clerks	25	30	10	5	5
Typists	128	154	63	26	37
Personnel Clerks, Exc. Payroll & Timekeeping	32	39	16	7	9
File Clerks	19	23	9	4	5
Order Clerks - Materials, Merch., & Service	6	7	2	1	1
Procurement Clerks	6	7	1	1	0
Statistical Clerks	178	214	77	36	41
Interviewing Clerks, Exc. Personnel & Welfare	112	135	43	23	20
Bookkeeping, Accounting, & Auditing Clerks	56	67	23	11	12
Payroll & Timekeeping Clerks	17	20	6	3	3
Billing, Cost & Rate Clerks	85	102	37	17	20
General Office Clerks	511	615	224	104	120
Computer Operators, Exc. Peripheral Equipment	21	25	6	4	2
Data Entry Keyers, Exc. Composing	51	61	15	10	5
All Other Office Machine Operators	4	5	2	1	1
Switchboard Operators	96	116	49	20	29
Dispatchers - Police, Fire, & Ambulance	11	13	3	2	1
Stock Clerks - Stockroom, Warehouse, or Yard	111	134	34	23	11
Traffic, Shipping, & Receiving Clerks	9	11	2	2	0
All Other Material Recording/Scheduling/Dist.	14	17	4	3	1
All Other Clerical & Administrative Support	72	87	16	15	1
SERVICE OCCUPATIONS	1,952	2,351	809	399	410
Housekeepers	39	47	15	8	7
All Other Service Supervisors & Managers	54	65	22	11	11
Guards & Watch Guards	42	51	10	9	1
Food Servers, Outside	128	154	42	26	16
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	19	23	4	4	0
Counter Attendants - Lunchroom, Coffee Shop, & Cafeteria	7	8	2	1	1
Bakers, Bread & Pastry	6	7	2	1	1
Cooks, Institution or Cafeteria	68	82	25	14	11
Food Preparation Workers	177	213	71	36	35
All Other Food Service Workers	4	5	1	1	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

PIMA COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Dental Assistants	5	6	2	1	1
Medical Assistants	23	28	10	5	5
Nursing Aides, Orderlies, & Attendants	603	726	264	123	141
Home Health Aides	13	16	4	3	1
Psychiatric Aides	65	78	28	13	15
Physical & Corrective Therapy Assists./Aides	34	41	15	7	8
Occupational Therapy Assistants & Aides	15	18	6	3	3
Pharmacy Assistants	79	95	35	16	19
All Other Health Service Workers	64	77	18	13	5
Maids & Housekeeping Cleaners	439	529	209	90	119
Janitors & Cleaners, Exc. Maids & Housekeeping	67	81	24	14	10
All Other Service Workers	1	1	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	20	24	7	4	3
Gardeners & Groundskeepers, Exc. Farm	20	24	7	4	3
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	404	487	112	83	29
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	24	29	8	5	3
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	9	11	3	2	1
Machinery Maintenance Mechanics	13	15	2	2	0
Maintenance Repairers, General Utility	42	51	12	9	3
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	14	17	4	3	1
Electromedical & Biomedical Equip. Repairers	44	53	12	9	3
Menders - Garments, Linens, & Related	2	2	0	0	0
All Other Mechanics, Installers, & Repairers	6	7	1	1	0
Carpenters	16	19	4	3	1
Electricians	14	17	4	3	1
Painters & Paperhangers - Construction & Maintenance	14	17	4	3	1
Plumbers, Pipefitters, & Steamfitters	8	10	2	2	0
All Other Precision Workers	4	5	1	1	0
Precision Production Occupations	27	33	8	6	2
Laundry/Drycleaning Mach. Opers., Exc. Pressing	50	60	16	10	6
Boiler Operators & Tenders, Low Pressure	7	8	1	1	0
All Other Machine Operators & Tenders	1	1	0	0	0
Hand Working, Inc. Assemblers & Fabricators	4	5	1	1	0
Stationary Engineers	28	34	9	6	3
Truck Drivers, Light - Incl. Delivery & Route	13	16	3	3	0
All Other Motor Vehicle Operators	21	25	5	4	1
Parking Lot Attendants	4	5	1	1	0
All Other Transportation & Moving Equip. Operators	3	4	1	1	0
Helpers, Laborers, & Material Movers, Hand	36	43	10	7	3
TOTAL ALL OCCUPATIONS	10,349	12,460	4,154	2,111	2,043

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

PINAL COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	34	39	8	5	3
Personnel, Training, & Labor Relations Mgrs.	1	1	0	0	0
Purchasing Managers	1	1	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	1	1	0	0	0
Administrative Services Managers	1	1	0	0	0
Medicine & Health Services Managers	23	27	7	4	3
Food Service & Lodging Managers	2	2	0	0	0
General Managers & Top Executives	5	6	1	1	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	281	328	100	47	53
Accountants & Auditors	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	2	2	0	0	0
All Other Management Support Workers	1	1	0	0	0
Psychologists	1	1	0	0	0
Social Workers, Medical & Psychiatric	1	1	0	0	0
Social Workers, Exc. Medical & Psychiatric	2	2	0	0	0
Physicians & Surgeons	7	8	1	1	0
Dentists	1	1	0	0	0
Registered Nurses	154	180	60	26	34
Licensed Practical Nurses	41	48	17	7	10
Physician Assistants	1	1	0	0	0
Pharmacists	10	12	3	2	1
Dietitians & Nutritionists	4	5	1	1	0
Dietetic Technicians	3	4	1	1	0
Medical & Clinical Laboratory Technologists	21	25	8	4	4
Medical & Clinical Laboratory Technicians	4	5	1	1	0
Medical Records Technicians & Technologists	9	11	4	2	2
Nuclear Medicine Technologists	1	1	0	0	0
Radiologic Technologists	2	2	0	0	0
Radiologic Technicians	8	9	2	1	1
All Other Professional, Paraprofessional, & Technical Workers	7	8	2	1	1
SALES & RELATED OCCUPATIONS	1	1	0	0	0
Cashiers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	169	199	58	30	28
First Line Supers.-Clerical & Admin. Support	8	9	2	1	1
Adjustment Clerks	3	4	1	1	0
Medical Secretaries	11	13	4	2	2
All Other Secretaries	3	4	1	1	0
Stenographers	1	1	0	0	0
Receptionists & Information Clerks	9	11	4	2	2
Typists	19	22	8	3	5
File Clerks	2	2	0	0	0
Order Clerks - Materials, Merch., & Service	1	1	0	0	0
Procurement Clerks	1	1	0	0	0
Statistical Clerks	18	21	7	3	4
Interviewing Clerks, Exc. Personnel & Welfare	17	20	6	3	3
Bookkeeping, Accounting, & Auditing Clerks	5	6	2	1	1
Billing, Cost & Rate Clerks	8	9	2	1	1
General Office Clerks	30	35	11	5	6
Data Entry Keyers, Exc. Composing	3	4	1	1	0
Switchboard Operators	9	11	4	2	2
Dispatchers - Police, Fire, & Ambulance	3	4	1	1	0
Stock Clerks - Stockroom, Warehouse, or Yard	12	14	3	2	1
All Other Clerical & Administrative Support	6	7	1	1	0
SERVICE OCCUPATIONS	148	174	54	26	28
Housekeepers	4	5	1	1	0
All Other Service Supervisors & Managers	3	4	1	1	0
Food Servers, Outside	16	19	5	3	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

PINAL COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Cooks, Institution or Cafeteria	11	13	3	2	1
Dental Assistants	2	2	0	0	0
Nursing Aides, Orderlies, & Attendants	66	77	26	11	15
Pharmacy Assistants	5	6	2	1	1
All Other Health Service Workers	6	7	1	1	0
Maids & Housekeeping Cleaners	35	41	15	6	9
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
Gardeners & Groundskeepers, Exc. Farm	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	11	12	1	1	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	1	1	0	0	0
Maintenance Repairers, General Utility	8	9	1	1	0
Laundry/Drycleaning Mach. Opers., Exc. Pressing	2	2	0	0	0
TOTAL ALL OCCUPATIONS	645	754	221	109	112

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

SANTA CRUZ COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	10	11	1	1	0
Personnel, Training, & Labor Relations Mgrs.	1	1	0	0	0
Purchasing Managers	1	1	0	0	0
Medicine & Health Services Managers	6	7	1	1	0
Food Service & Lodging Managers	1	1	0	0	0
General Managers & Top Executives	1	1	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	90	106	28	16	12
Budget Analysts	1	1	0	0	0
All Other Financial Specialists	1	1	0	0	0
Mechanical Engineers	3	4	1	1	0
Social Workers, Medical & Psychiatric	1	1	0	0	0
Social Service Technicians	1	1	0	0	0
Clergy	3	4	1	1	0
Physicians & Surgeons	6	7	1	1	0
Respiratory Therapists	3	4	1	1	0
Physical Therapists	1	1	0	0	0
Recreational Therapists	1	1	0	0	0
Registered Nurses	29	34	11	5	6
Licensed Practical Nurses	17	20	7	3	4
Physician Assistants	1	1	0	0	0
Pharmacists	1	1	0	0	0
Dietitians & Nutritionists	1	1	0	0	0
Medical & Clinical Laboratory Technologists	10	12	4	2	2
Medical Records Technicians & Technologists	1	1	0	0	0
Radiologic Technologists	4	5	1	1	0
Electrocardiograph Techs.	1	1	0	0	0
Surgical Technicians	3	4	1	1	0
Public Rel. Specialists & Publicity Writers	1	1	0	0	0
SALES & RELATED OCCUPATIONS	1	1	0	0	0
Cashiers	1	1	0	0	0
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	27	31	6	4	2
First Line Supers.-Clerical & Admin. Support	6	7	1	1	0
Adjustment Clerks	1	1	0	0	0
Typists	1	1	0	0	0
Interviewing Clerks, Exc. Personnel & Welfare	8	9	2	1	1
General Office Clerks	6	7	2	1	1
Data Entry Keyers, Exc. Composing	1	1	0	0	0
Switchboard Operators	3	4	1	1	0
Stock Clerks - Stockroom, Warehouse, or Yard	1	1	0	0	0
SERVICE OCCUPATIONS	88	104	31	16	15
Housekeepers	1	1	0	0	0
Guards & Watch Guards	4	5	1	1	0
Food Servers, Outside	3	4	1	1	0
Dining Room/Cafeteria Attdts. & Bartdr. Helpers	3	4	1	1	0
Cooks, Institution or Cafeteria	3	4	1	1	0
Food Preparation Workers	11	13	4	2	2
Nursing Aides, Orderlies, & Attendants	50	58	19	8	11
Physical & Corrective Therapy Assists./Aides	1	1	0	0	0
All Other Health Service Workers	1	1	0	0	0
Maids & Housekeeping Cleaners	10	12	4	2	2
Janitors & Cleaners, Exc. Maids & Housekeeping	1	1	0	0	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
Gardeners & Groundskeepers, Exc. Farm	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	2	2	0	0	0
Painters & Paperhangers - Construction & Maintenance	1	1	0	0	0
Stationary Engineers	1	1	0	0	0
TOTAL ALL OCCUPATIONS	219	256	66	37	29

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

YAVAPAI COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	65	77	17	12	5
Financial Managers	7	8	2	1	1
Personnel, Training, & Labor Relations Mgrs.	4	5	1	1	0
Purchasing Managers	3	4	1	1	0
Marketing, Advertising, & Public Rel. Mgrs.	2	2	0	0	0
Administrative Services Managers	1	1	0	0	0
Engineering, Mathematical & Natural Sciences Managers	6	7	1	1	0
Medicine & Health Services Managers	28	33	9	5	4
Food Service & Lodging Managers	4	5	1	1	0
General Managers & Top Executives	4	5	1	1	0
All Other Managers & Administrators	6	7	1	1	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	627	734	224	107	117
Accountants & Auditors	1	1	0	0	0
Purchasing Agents, Exc. Wholesale, Retail, & Farm	4	5	1	1	0
Personnel, Training, & Labor Rel. Specialists	3	4	1	1	0
All Other Management Support Workers	5	6	1	1	0
Mechanical Engineering Techs.	1	1	0	0	0
All Other Engineering & Related Technicians	1	1	0	0	0
Biological Scientists	1	1	0	0	0
Systems Analysts, Electronic Data Processing	1	1	0	0	0
Psychologists	3	4	1	1	0
Social Workers, Medical & Psychiatric	10	12	3	2	1
Social Service Technicians	9	11	3	2	1
Clergy	3	4	1	1	0
Nursing Instructors	2	2	0	0	0
Physicians & Surgeons	23	27	6	4	2
Dentists	3	4	1	1	0
Respiratory Therapists	19	22	6	3	3
Occupational Therapists	4	5	1	1	0
Physical Therapists	7	8	2	1	1
Corrective & Manual Arts Therapists	1	1	0	0	0
Speech Pathologists & Audiologists	1	1	0	0	0
Recreational Therapists	2	2	0	0	0
Registered Nurses	311	363	121	52	69
Licensed Practical Nurses	63	74	27	11	16
Physician Assistants	1	1	0	0	0
Pharmacists	16	19	6	3	3
Dietitians & Nutritionists	6	7	2	1	1
Dietetic Technicians	1	1	0	0	0
Medical & Clinical Laboratory Technologists	36	42	13	6	7
Medical & Clinical Laboratory Technicians	5	6	1	1	0
Medical Records Technicians & Technologists	14	16	6	2	4
Nuclear Medicine Technologists	3	4	1	1	0
Radiologic Technologists	24	28	8	4	4
Radiologic Technicians	2	2	0	0	0
Electroencephalograph Techs.	1	1	0	0	0
Electrocardiograph Techs.	5	6	1	1	0
Surgical Technicians	9	11	3	2	1
All Other Health Professionals, Paraprofessionals, & Technicians	26	30	8	4	4
SALES & RELATED OCCUPATIONS	5	6	2	1	1
Cashiers	5	6	2	1	1
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	228	265	77	37	40
First Line Supers.-Clerical & Admin. Support	9	11	3	2	1
Medical Secretaries	17	20	7	3	4
All Other Secretaries	24	28	10	4	6
Typists	30	35	13	5	8

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

YAVAPAI COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Personnel Clerks, Exc. Payroll & Timekeeping	3	4	1	1	0
File Clerks	5	6	2	1	1
Procurement Clerks	8	9	1	1	0
Statistical Clerks	6	7	2	1	1
Interviewing Clerks, Exc. Personnel & Welfare	26	30	8	4	4
Bookkeeping, Accounting, & Auditing Clerks	8	9	2	1	1
Payroll & Timekeeping Clerks	2	2	0	0	0
Billing, Cost & Rate Clerks	17	20	7	3	4
General Office Clerks	36	42	14	6	8
Computer Operators, Exc. Peripheral Equipment	6	7	1	1	0
Data Entry Keyers, Exc. Composing	2	2	0	0	0
Switchboard Operators	8	9	3	1	2
Stock Clerks - Stockroom, Warehouse, or Yard	6	7	1	1	0
All Other Material Recording/Scheduling/Dist.	1	1	0	0	0
All Other Clerical & Administrative Support	14	16	2	2	0
SERVICE OCCUPATIONS	260	305	92	45	47
Housekeepers	4	5	1	1	0
All Other Service Supervisors & Managers	2	2	0	0	0
Guards & Watch Guards	7	8	1	1	0
Food Servers, Outside	22	26	6	4	2
Cooks, Institution or Cafeteria	15	18	5	3	2
Food Preparation Workers	53	62	19	9	10
Dental Assistants	2	2	0	0	0
Medical Assistants	1	1	0	0	0
Nursing Aides, Orderlies, & Attendants	64	75	25	11	14
Home Health Aides	2	2	0	0	0
Psychiatric Aides	4	5	1	1	0
Physical & Corrective Therapy Assists./Aides	6	7	2	1	1
Pharmacy Assistants	10	12	4	2	2
All Other Health Service Workers	5	6	1	1	0
Maids & Housekeeping Cleaners	63	74	27	11	16
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	1	1	0	0	0
Gardeners & Groundskeepers, Exc. Farm	1	1	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	45	52	8	7	1
First Line Managers/Supervisors - Mechanics/ Installers/Repairers	1	1	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	1	1	0	0	0
Maintenance Repairers, General Utility	14	16	3	2	1
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	1	1	0	0	0
Electromedical & Biomedical Equip. Repairers	4	5	1	1	0
Carpenters	2	2	0	0	0
Electricians	1	1	0	0	0
Painters & Paperhangers - Construction & Maintenance	2	2	0	0	0
Plumbers, Pipefitters, & Steamfitters	2	2	0	0	0
Laundry/Drycleaning Mach. Opers., Exc. Pressing	4	5	1	1	0
Boiler Operators & Tenders, Low Pressure	6	7	1	1	0
All Other Machine Operators & Tenders	1	1	0	0	0
Truck Drivers, Light - Incl. Delivery & Route	3	4	1	1	0
Helpers, Laborers, & Material Movers, Hand	3	4	1	1	0
TOTAL ALL OCCUPATIONS	1,231	1,440	420	209	211

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

YUMA COUNTY

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	35	40	8	5	3
Financial Managers	1	1	0	0	0
Personnel, Training, & Labor Relations Mgrs.	1	1	0	0	0
Purchasing Managers	1	1	0	0	0
Marketing, Advertising, & Public Rel. Mgrs.	1	1	0	0	0
Administrative Services Managers	2	2	0	0	0
Medicine & Health Services Managers	13	15	4	2	2
Food Service & Lodging Managers	1	1	0	0	0
General Managers & Top Executives	9	11	3	2	1
All Other Managers & Administrators	6	7	1	1	0
PROFESSIONAL, PARAPROFESSIONAL, & TECHNICAL	495	574	179	79	100
Purchasing Agents, Exc. Wholesale, Retail, & Farm	1	1	0	0	0
Personnel, Training, & Labor Rel. Specialists	1	1	0	0	0
Industrial Engineers, Exc. Safety	1	1	0	0	0
Electrical/Electronic Engineering Technicians	2	2	0	0	0
Biological Scientists	3	4	1	1	0
Systems Analysts, Electronic Data Processing	2	2	0	0	0
Computer Programmers	1	1	0	0	0
Computer Programmer Aides	1	1	0	0	0
Social Workers, Medical & Psychiatric	2	2	0	0	0
Clergy	1	1	0	0	0
Nursing Instructors	1	1	0	0	0
Teachers & Instructors, Voc. Ed. & Training	1	1	0	0	0
All Other Teachers & Instructors	1	1	0	0	0
Librarians, Professional	1	1	0	0	0
Technical Assistants, Library	1	1	0	0	0
Physicians & Surgeons	5	6	1	1	0
Dentists	1	1	0	0	0
Respiratory Therapists	29	34	9	5	4
Registered Nurses	215	251	84	36	48
Licensed Practical Nurses	110	128	46	18	28
Pharmacists	7	8	2	1	1
Dietitians & Nutritionists	2	2	0	0	0
Dietetic Technicians	1	1	0	0	0
Medical & Clinical Laboratory Technologists	35	41	13	6	7
Medical & Clinical Laboratory Technicians	13	15	4	2	2
Medical Records Technicians & Technologists	20	23	9	3	6
Nuclear Medicine Technologists	1	1	0	0	0
Radiologic Technologists	16	19	6	3	3
Electroencephalograph Techs.	2	2	0	0	0
Electrocardiograph Techs.	4	5	1	1	0
Surgical Technicians	6	7	1	1	0
All Other Health Professionals, Paraprofessionals, & Technicians	7	8	2	1	1
Public Rel. Specialists & Publicity Writers	1	1	0	0	0
SALES & RELATED OCCUPATIONS	5	6	2	1	1
Cashiers	5	6	2	1	1
CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	242	284	80	42	38
First Line Supers.-Clerical & Admin. Support	36	42	10	6	4
Medical Secretaries	4	5	2	1	1
All Other Secretaries	6	7	2	1	1
Typists	10	12	4	2	2
Typists, Word Processing Equipment	6	7	1	1	0
Personnel Clerks, Exc. Payroll & Timekeeping	6	7	2	1	1
File Clerks	1	1	0	0	0
Statistical Clerks	11	13	4	2	2
Interviewing Clerks, Exc. Personnel & Welfare	21	25	7	4	3
Bookkeeping, Accounting, & Auditing Clerks	2	2	0	0	0
Payroll & Timekeeping Clerks	2	2	0	0	0

ESTIMATED EMPLOYMENT AND JOB OPENINGS
HOSPITALS

YUMA COUNTY (CONTINUED)

	ESTIMATED MAY 1986 EMPLOYMENT	PROJECTED MAY 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1986-1990	JOB OPENINGS DUE TO GROWTH 1986-1990	JOB OPENINGS DUE TO SEPARATIONS 1986-1990
Billing, Cost & Rate Clerks	18	21	7	3	4
General Office Clerks	77	90	30	13	17
Computer Operators, Exc. Peripheral Equipment	3	4	1	1	0
Data Entry Keyers, Exc. Composing	4	5	1	1	0
Switchboard Operators	7	8	3	1	2
Stock Clerks - Stockroom, Warehouse, or Yard	2	2	0	0	0
Traffic, Shipping, & Receiving Clerks	1	1	0	0	0
All Other Material Recording/Scheduling/Dist.	10	12	3	2	1
All Other Clerical & Administrative Support	15	18	3	3	0
SERVICE OCCUPATIONS	146	171	46	25	21
Housekeepers	2	2	0	0	0
All Other Service Supervisors & Managers	4	5	1	1	0
Guards & Watch Guards	8	9	1	1	0
Cooks, Institution or Cafeteria	8	9	2	1	1
Food Preparation Workers	27	32	10	5	5
All Other Food Service Workers	3	4	1	1	0
Dental Assistants	1	1	0	0	0
Nursing Aides, Orderlies, & Attendants	27	32	11	5	6
Psychiatric Aides	1	1	0	0	0
Pharmacy Assistants	2	2	0	0	0
All Other Health Service Workers	31	36	7	5	2
Maids & Housekeeping Cleaners	28	33	12	5	7
Janitors & Cleaners, Exc. Maids & Housekeeping	4	5	1	1	0
AGRICULTURAL, FORESTRY, & RELATED OCCUPATIONS	2	2	0	0	0
Gardeners & Groundskeepers, Exc. Farm	2	2	0	0	0
PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	24	27	3	3	0
First Line Managers/Supervisors - Mechanics/Installers/Repairers	1	1	0	0	0
All Other First Line Managers/Supervisors - Maintenance/Production/Construction	4	5	1	1	0
Maintenance Repairers, General Utility	11	13	2	2	0
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	2	2	0	0	0
Electromedical & Biomedical Equip. Repairers	2	2	0	0	0
Menders - Garments, Linens, & Related	1	1	0	0	0
Boiler Operators & Tenders, Low Pressure	1	1	0	0	0
All Other Motor Vehicle Operators	1	1	0	0	0
Helpers, Laborers, & Material Movers, Hand	1	1	0	0	0
TOTAL ALL OCCUPATIONS	949	1,104	318	155	163

METHODOLOGY

Sample Selection and Response Rates

Occupational estimates for hospitals were developed from a survey of employers throughout the state. Employers who were asked to participate in the survey were selected from a master employer file of firms doing business in Arizona, using standardized sampling techniques. A sample of establishments employing from four to 249 employees and all establishments having 250 or more employees were surveyed. The entire sample was composed of 84 firms with a usable response rate of 98.8 percent.

Employment Projections

Projecting occupational employment and demand is accomplished in two basic stages. First, total educational services employment is estimated for the target years. These forecasts are computed using an econometric model driven by forecast values for variables such as national unemployment, interest rates, and industrial production. Staffing pattern ratios, as determined by the OES survey, are then applied to the industry employment projections--representing the second stage of the forecasting methodology.

Job Openings

"Total Job Openings" represents the sum of openings resulting from expansion and replacement during the projection period. Expansion is the numerical difference in employment for a given period. Replacement represents job openings that transpire due to separations from the labor force, i.e., death, retirement, and pregnancy. The "Total Job Openings" column does not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are generally the largest source of job openings.

Limitations of the Data

The projection method does not account for cyclical, seasonal, and such external factors as sudden discontinuations or initiations of major government programs.

Employment forecasts for the nonmetropolitan counties are based on growth rates developed for the "balance of state" (Arizona less Maricopa and Pima counties) rather than for individual counties.

LABOR MARKET INFORMATION PUBLICATIONS
OCCUPATIONAL EMPLOYMENT STATISTICS, 733A
BOX 6123
PHOENIX, ARIZONA 85005

OFFICIAL BUSINESS
Penalty for Private Use
$300

U.S. MAIL

POSTAGE AND FEES PAID
EMPLOYMENT SECURITY MAIL
LAB 441

FIRST CLASS MAIL

Reproduction of this publication for commercial use is prohibited by Section 39-121 Arizona Revised Statutes. Permission to reprint this publication, or parts of it, for nonprofit use may be granted upon written request, if credit will be given citing this publication and the Arizona Department of Economic Security.

This periodical is issued and printed by the Arizona Department of Economic Security as authorized by the Wagner-Peyser Act and is paid out of federal funds granted by the U.S. Department of Labor.

If you do NOT desire to continue receiving this publication, please check here ☐ and return this cover to address above.

If your address has changed, please indicate change and return this cover to the address above.

DES **Arizona Department of Economic Security**
— Moving People Toward Self-Sufficiency

PAL-332 (6-88)